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61ST CONGRESS }  
3d Session }

SENATE

{ DOCUMENT  
No. 720 }

# EXPENDITURES FOR TRAVEL

FROM WASHINGTON TO POINTS OUTSIDE OF  
THE DISTRICT OF COLUMBIA  
PERFORMED BY CERTAIN OFFICERS  
AND EMPLOYEES OF THE

## DEPARTMENT OF AGRICULTURE

DURING THE FISCAL YEAR  
ENDED JUNE 30

1910

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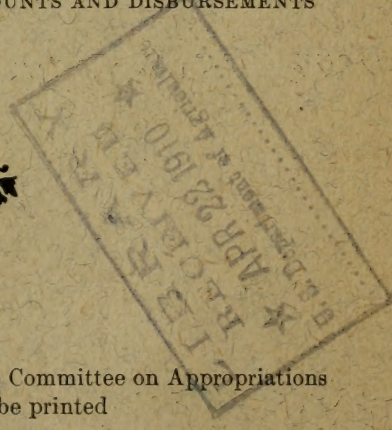
PREPARED UNDER THE DIRECTION OF THE SECRETARY OF AGRICULTURE

By A. ZAPPONE

CHIEF OF THE DIVISION OF ACCOUNTS AND DISBURSEMENTS



DECEMBER 7, 1910.—Referred to the Committee on Appropriations  
and ordered to be printed



WASHINGTON  
GOVERNMENT PRINTING OFFICE

1911







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THE DISTRICT OF COLUMBIA  
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DURING THE FISCAL YEAR  
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FROM WASHINGTON TO MONTEVIDEO  
THE DISTRICT OF COLUMBIA  
PERFORMED BY CERTAIN OFFICERS  
AND EMPLOYEES OF THE

DEPARTMENT OF AGRICULTURE

DURING THE FISCAL YEAR  
ENDING JUNE 30

1910

REPORT OF THE COMMISSIONER OF THE GENERAL LAND OFFICE  
IN A REPORT  
TO THE SECRETARY OF THE AGRICULTURE



WASHINGTON, D. C.  
1910

GOVERNMENT PRINTING OFFICE  
1910



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## LETTER OF TRANSMITTAL.

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DEPARTMENT OF AGRICULTURE,  
OFFICE OF THE SECRETARY,  
*Washington, D. C., December 5, 1910.*

SIR: As required by the act approved May 22, 1908 (35 Stat. L., 244), I have the honor to transmit herewith a statement showing in detail the travel, from Washington to points outside of the District of Columbia, performed by officers and employees (other than special agents, inspectors, and employees who in the discharge of their regular duties are required to constantly travel) of the Department of Agriculture during the fiscal year 1910.

A copy of this report has also been transmitted to the Speaker of the House of Representatives.

Very respectfully,

JAMES WILSON,  
*Secretary.*

The PRESIDENT OF THE SENATE.

*Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910, together with their official titles, destination or destinations of such travel, the business or work on account of which the same was made, and the total expense to the United States charged in each case. (35 Stat. L., p. 244.)*

## OFFICE OF THE SECRETARY.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Augustefer, R.....	Electrician.....	Athenia, N. J. (Oct. 16, 1909).....	To install electric lighting plant in Bureau of Animal Industry quarantine station.	\$18. 10	General expenses, B. A. I., 1910. (Inspection and quarantine.)
Do.....	do.....	Athenia, N. J. (Nov. 4, 1909).....	do.....	18. 85	Do.
Do.....	do.....	Lynn, Mass. (Dec. 3-6, 1909).....	To inspect electrical generators purchased by Bureau of Animal Industry.	42. 55	Do.
Do.....	do.....	Athenia, N. J. (June 28-29, 1910).....	To install electric lighting plant in Bureau of Animal Industry quarantine station.	22. 45	Do.
Boyle, C. W.....	Law clerk.....	New York, N. Y., and Boston, Mass. (Mar. 1-4, 1910.)	To interview witnesses and take testimony in interference proceedings pending in United States Patent Office involving letters patent on an insect-destroying bomb, invented by an employee of the Department of Agriculture.	43. 85	Contingent expenses, Department of Agriculture, 1910.
Do.....	do.....	Baltimore, Md. (Apr. 28, 1910).....	To obtain information concerning title to a proposed experiment station located at Beltsville, Md.	3. 00	General expenses, B. A. I., 1910. (Dairy industry.)
Do.....	do.....	Points in Maryland. (June 10-30, 1910.)	To arrange for the purchase of land for experiment station at Beltsville, Md.	15. 88	General expenses, B. A. I., 1910. (Administrative expenses.)
Corwin, S. W.....	Assistant engineer.....	Lynn, Mass. (Sept. 26-29, 1909).....	To inspect before shipment an electric generator furnished to the Department of Agriculture.	32. 25	General expenses, Bureau of Chemistry, 1910. (Laboratory, transportation.)
Pegan, H. J.....	Law clerk.....	St. Paul, Minn. (Dec. 26, 1909-Jan. 7, 1910.)	Work in connection with the enforcement of the food and drugs act.	108. 65	General expenses, Bureau of Chemistry, 1910. (Food and drugs act, transportation.)
Do.....	do.....	Philadelphia, Pa., and Boston, Mass. (Jan. 12-20, 1910.)	do.....	64. 05	Do.
Do.....	do.....	Philadelphia, Pa., and Atlantic City, N. J. (Feb. 8-10, 1910.)	Work connected with the office of the Secretary.	15. 50	Contingent expenses, Department of Agriculture, 1910.
Do.....	do.....	Missoula, Mont., and return. (Mar. 27-Apr. 25, 1910.)	Temporary detail during illness of Forest Service law officer at Missoula.	208. 35	General expenses, Forest Service, 1910.
Hays, W. M.....	Assistant Secretary of Agriculture.	New York, N. Y. (Aug. 19-21, 1909)...	To attend agricultural meeting and give address.	23. 05	Contingent expenses, Department of Agriculture, 1910.



## EXPENDITURES FOR TRAVEL.

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Do.	do.	Buffalo and Ithaca, N. Y., Hamilton and Guelph, Ontario. (Aug. 12-17, 1909.)	To investigate plans of plant breeding at New York Experiment Station, Ithaca, N. Y., and Ontario Experiment Station, Guelph, Ontario.	46.68	Do.
Do.	do.	Chicago, Ill., St. Paul, Minn., and Harrisburg, Pa. (Sept. 2-14, 1909.)	To deliver addresses before Fox River Country Club, Illinois, at Minnesota State Fair, and before farmers' association near Harrisburg, Pa.	123.35	Do.
Do.	do.	Raleigh, N. C. (Sept. 18-19, 1909)	To deliver address before farmers' meeting.	15.40	Do.
Do.	do.	New York, N. Y. (Oct. 1-3, 1909)	To attend agricultural exhibit and deliver address.	26.35	Do.
Do.	do.	Richmond, Va. (Oct. 8-9, 1909)	To attend Virginia State Fair.	9.35	Do.
Do.	do.	Morgantown, Shepherdstown, and Harpers Ferry, W. Va. (Nov. 4-5, 1909.)	To deliver addresses at Morgantown and Shepherdstown, W. Va.	6.60	Do.
Do.	do.	New York, N. Y. (Nov. 11-13, 1909)	To deliver address.	21.70	Do.
Do.	do.	Chicago, Ill.; Philadelphia, and North Philadelphia, Pa. (Nov. 16-19, 1909.)	To attend National Farm Land Congress and Chicago Association of Commerce and deliver address at Philadelphia.	73.55	Do.
Do.	do.	Leesburg, Va. (Nov. 20, 1909)	To deliver addresses to farmers.	1.65	Do.
Do.	do.	Pittsburg, Pa., Minneapolis, Minn., Chicago, Ill., Omaha, Nebr., Ames and Marshalltown, Iowa. (Dec. 1-19, 1909.)	To attend National Corn Exposition and American Breeders Association, Omaha, Nebr.; Minnesota Horticultural Society, Minneapolis, Minn.; and live stock show in Chicago, Ill.	154.03	Do.
Do.	do.	Newark, N. J. (Jan. 6, 1910)	To deliver address at Newark, N. J.	5.79	Do.
Do.	do.	Baltimore, Md. (Jan. 14, 1910)	To deliver address at Baltimore, Md.	2.00	Do.
Do.	do.	Richmond, Va. (Feb. 2, 1910)	To deliver address before Virginia Farmers' Institute.	5.80	Do.
Do.	do.	Baltimore and Fallston, Md. (Feb. 6, 1910.)	To deliver address before farmers' Institute at Fallston, Md.	4.06	Do.
Do.	do.	Boston, Mass., New York, N. Y. (Mar. 3-6, 1910.)	To attend Country Life Betterment Association, Boston, Mass.	38.20	Do.
Do.	do.	Cleveland, and Columbus, Ohio. (Mar. 14-17, 1910.)	To deliver address at Cleveland, and visit agricultural college at Columbus.	41.45	Do.
Do.	do.	Baltimore and Sparks, Md. (Apr. 8-9, 1910.)	To deliver address on "Consolidated rural schools," at Sparks, Md.	7.20	Do.
Do.	do.	Chicago, Ill., St. Paul, Crookston, Morris, Minneapolis, Minn., Fargo, N. Dak., and Ames, Iowa. (May 30-June, 10, 1910.)	To deliver address before Northern Minnesota Development Association, Crookston, Minn.; to visit North Dakota Agricultural College and Experiment Station, Minnesota Agricultural College and Experiment Station, and Iowa Agricultural College and Experiment Station.	123.37	Do.
Do.	do.	Atlantic City, N. J. (June 21-23, 1910).	To deliver address before American Seed Trade Association.	22.70	Do.
Jones, Lewis.	Chief engineer.	Troy, N. Y., Chicago, Ill., Milwaukee, Wis., Kalamazoo, Mich. (Aug. 20-27, 1909.)	To inspect machinery purchased for the use of the department.	73.89	General expenses, Bureau of Chemistry, 1910. (Laboratory, transportation.)
Jones, W. P.	Law clerk.	Points in Kansas, Oklahoma, and Texas. (Oct. 11-27, 1909.)	To confer with live-stock owners concerning work of tick eradication.	172.63	General expenses, B.A.I., 1910. (Eradicating cattle ticks.)

OFFICE OF THE SECRETARY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Jones, W. P.	Law clerk.	Upper Marlboro, Md. (Nov. 17, 1909).	To obtain information concerning title to proposed experiment station at Beltsville, Md.	\$1.48	General expenses, B. A. I., 1910. (Dairy industry.)
Do.	do.	Cincinnati, Ohio; Covington, Ky.; Lexington, Ky. (May 5-13, 1910.)	To secure information in connection with the bleached-flour cases, arising in connection with the enforcement of the food and drugs act.	46.43	General expenses, Bureau of Chemistry, 1910. (Food and drugs act, transportation.)
Do.	do.	Pittsburg, Pa. (June 12-13, 1910).	Enforcement of meat-inspection law.	22.85	Meat inspection, B. A. I., 1910.
Do.	do.	Philadelphia, Pa. (June 18-20, 1910).	On business connected with the enforcement of the food and drugs act.	19.90	General expenses, Bureau of Chemistry, 1910. (Food and drugs act, transportation.)
Do.	do.	Baltimore, Md. (June 29, 1910).	Enforcement of meat-inspection law.	2.95	Meat inspection, B. A. I., 1910.
Knorr, George W.	Private secretary to the Assistant Secretary of Agriculture.	Baltimore, Md. (Apr. 8-9, 1910).	To assist the Assistant Secretary in giving an illustrated address.	6.35	Contingent expenses, Department of Agriculture, 1910.
McCabe, Geo. P.	Solicitor.	Ogden, Utah; Reno, Nev.; Chicago, Ill. (July 7-29, 1909.)	On business connected with the enforcement of the food and drugs act.	197.30	General expenses, Bureau of Chemistry, 1910. (Food and drugs act, transportation.)
Do.	do.	Denver, Colo.; Ogden, Utah. (Aug. 16-Sept. 27, 1909.)	do.	152.45	Do.
Do.	do.	St. Paul, Minn.; Chicago, Ill. (Nov. 3-10, 1909.)	do.	103.81	Do.
Do.	do.	St. Paul, Minn.; Chicago, Ill. (Nov. 30-Dec. 5, 1909.)	do.	89.65	Do.
Do.	do.	Denver, Colo.; Ogden, Utah; Missoula, Mont.; Portland, Ore.; San Francisco, Cal.; Albuquerque, N. Mex.; and return. (Feb. 20-Mar. 12, 1910.)	To make an administrative inspection of the district law offices of the Forest Service.	299.47	General expenses, Forest Service, 1910.
Williams, R. W., Jr.	Law clerk.	Pittsburg, Pa. (Sept. 14-16, 1909).	To consult with United States district attorney concerning the construction of meat-inspection law.	25.95	Meat inspection, B. A. I., 1910.



Wilson, James.....	Secretary of Agriculture.	Inspection of national forests.....	648.46	Contingent expenses, Department of Agri- culture, 1910.
Do.....	do.....	To investigate farming in New York.....	38.80	Do.
Do.....	do.....	To address farmers' convention.....	9.35	Do.
Do.....	do.....	To investigate farming in New York.....	25.50	Do.
Do.....	do.....	To address farmers' convention.....	88.10	Do.
Do.....	do.....	Administrative inspection of district offices of the Forest Service.	30.95	General expenses, Forest Service, 1910.

## WEATHER BUREAU.

Beuter, Sophia A.....	Clerk, class 3.....	Special clerical and stenographic work.....	\$5.00	General expenses, Weather Bureau, 1910. (Traveling expenses.) Do.
Bigelow, Frank H.....	Professor of meteorology.	The establishment of mountain snowfall and evaporation stations in the semiarid regions in connection with climatological and evapo- ration investigations.	111.24	Do.
Do.....	do.....	do.....	232.77	Do.
Do.....	do.....	do.....	310.80	Do.
Do.....	do.....	To locate a special evaporation station and con- duct observations thereat.	52.00	Do.
Bowle, Edward H.....	District forecaster.	To assist new official in charge in becoming ac- quainted with the work of the station.	116.51	Do.
Do.....	do.....	Inspection of Weather Bureau stations.....	129.68	Do.
Do.....	do.....	do.....	162.95	Do.

*Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.*

## WEATHER BUREAU—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Bowle, Edward H .....	District forecaster .....	Cape Henry, Va., and Manteo, Kitty Hawk, and Hatteras, N. C. (May 8-18, 1910.)	Inspection of Weather Bureau stations. ....	\$42.25	General expenses, Weather Bureau, 1910. (Traveling expenses.)
Burns, Charles T. ....	Compositor. ....	Kansas City, Mo. (Sept. 5-30, 1909) ..	Temporary assignment pending the filling of vacancy in position of printer.	114.93	Do.
Carroll, D. J. ....	Chief clerk. ....	Norfolk and Cape Henry, Va. (July 9-11, 1909.)	Special inspection of Weather Bureau station at Norfolk, Va., and vessel reporting work at Cape Henry, Va.	13.15	Do.
Do. ....	do. ....	Mount Weather, Va. (Sept. 12-13, 1909.)	Special examination of the power plant at research observatory, in connection with extended repairs in the heating and power plant of the Weather Bureau buildings in Washington, D. C.	2.00	Do.
Church, John P. ....	Chief of division .....	Baltimore, Md. (Nov. 1, 1909) .....	To secure a monotype machinist for the Weather Bureau printing office.	2.60	Do.
Cooper, Robert S. ....	Compositor. ....	New York, N. Y. (Mar. 23-Apr. 10, 1910.)	Temporary duty as printer. ....	38.55	Do.
Frankenfield, Harry C. ....	Professor of meteorology. ....	New York, N. Y., Boston, Mass., points in watersheds of northeastern New York and southern Michigan and of the upper Mississippi River, Buffalo, N. Y., Detroit, Mich., Milwaukee, Wis., Dubuque and Davenport, Iowa, and Chicago, Ill. (Aug. 16-Sept. 20, 1909.)	To inspect the river districts in the territory visited and to consult with officials relative to improving river forecasts and flood warnings.	269.64	Do.
Do. ....	do. ....	Lancaster, Pa. (Oct. 12-13, 1909) .....		21.26	Do.
Do. ....	do. ....	Pittsburg, Pa. (Jan. 24-26, 1910) .....	To address meeting at agricultural fair relative to the work of the Weather Bureau and its application to agriculture.	24.25	Do.
Do. ....	do. ....	Albany, N. Y., Pittsburg, Pa., Columbus and Cincinnati, Ohio, St. Louis and Hannibal, Mo., and Chicago, Ill. (Feb. 16-27, 1910.)	To secure river data and consult with local official relative to the issuing of flood warnings.	130.79	Do.
Garriott, Edward B. ....	do. ....	Boston, Plymouth, Middleboro, Wareham, West Barnstable, Mass., Providence, R. I., Philadelphia, Pa., Mount Holly, New Lisbon, and Toms River, N. J. (Oct. 2-13, 1909.)	To consult with officials relative to improving river forecasts and flood warnings.	78.27	Do.
Hamrick, Andy M. ....	Clerk. ....	Riverton, Va. (Aug. 8-9, 1909) .....	To locate new weather and temperature substations in cranberry marshes.	7.80	Do.
			To inspect river station. ....		



Haskell, Henry L.....	Chief of division.....	Baltimore, Md., Philadelphia, Pa., New York, N. Y., Long Branch, N. J., Boston, Mass., and Buffalo, N. Y. (Feb. 1-22, 1910.)	To consult with local Weather Bureau officials relative to marine meteorological work and to give special instructions in connection therewith.	164.55	Do.
Hunt, George E.....	Clerk, class 4.....	Norfolk and Richmond, Va. (Sept. 4-17, 1909.)	Special examination of office methods in connection with the instruction of new observers in meteorological work.	19.35	Do.
Hutchison, James E.....	Compositor.....	Philadelphia, Pa. (July 1-31, 1909)...	Special duty in connection with operation of monotype machine for the Weather Bureau printing office.	48.82	Do.
King, Thomas H.....	Assistant foreman of division.	New York, N. Y. (July 19-22, 1909)...	To inspect lithographic stones; investigate the offset printing process and secure parts for repair of press in Weather Bureau printing office.	19.45	Do.
Do.....	do.....	Baltimore, Md. (July 31, 1909).....	To investigate the offset printing process and its adaptability for use in the Weather Bureau printing office.	1.75	Do.
Do.....	do.....	New York, N. Y., and Philadelphia, Pa. (Aug. 16-25, 1909.)	To investigate the operation of folding machines preliminary to the purchase of one for the Weather Bureau printing office; also to inspect stipple processes.	16.60	Do.
Do.....	do.....	New York, N. Y. (Oct. 1-3, 1909, Apr. 20-22, and June 6-9, 1910.)	To inspect lithographic stones prior to acceptance.	42.20	Do.
Larcombe, Benjamin F.....	do.....	Philadelphia, Pa. (Aug. 28-Oct. 4, 1909.)	Special duty in connection with operation of monotype machine for the Weather Bureau printing office.	42.03	Do.
Long, Samuel C.....	Lithographer.....	Baltimore, Md. (July 31, 1909).....	To investigate the offset printing process and its adaptability for use in the Weather Bureau printing office.	1.85	Do.
Maring, Delos T.....	Clerk, class 4.....	Mount Weather, Va. (Sept. 20-21, 1909.)	To investigate and arrange for the proper installation of instrumental equipment for new observatory building.	3.80	Do.
Marvin, Charles F.....	Professor of meteorology.	Baltimore, Md. (Nov. 19, 1909, Feb. 24, and Mar. 2, 1910.)	To supervise the construction of special instrument shelter and apparatus.	8.40	Do.
Do.....	do.....	Philadelphia, Pa., and New York, N. Y. (Nov. 21-24, 1909.)	To consult with manufacturers of instruments for the Weather Bureau, and to inspect instrumental exposure at proposed new office quarters; also to inspect sites for kiosk.	29.50	Do.
Do.....	do.....	Philadelphia, Pa. (May 26-28, 1910.)...	To consult with manufacturers of special instruments being made for the Weather Bureau.	16.40	Do.
Minehart, Elmo M.....	Assistant observer.....	New York, N. Y. (Jan. 6-22, and Mar. 23-Apr. 2, 1910.)	Temporary duty as assistant at New York local office.	91.20	Do.
Moore, Willis L.....	Chief of bureau.....	London, England, and New York, N. Y. (June 7-July 4, 1909.)	To attend meetings of International Committees on Weather Telegraphy and Weather Signals, and study foreign meteorological services.	30.75	Do.
Do.....	do.....	Mount Weather, Va. (July 13, 1909).....	(NOTE.—The expense of the portion of this journey, June 7-30, 1909, is contained in the travel report for the fiscal year 1909; this report covers the expense from July 1-4, 1909.) Inspection of research observatory.....	3.30	Do.

*Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.*

## WEATHER BUREAU—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Moore, Willis L.....	Chief of bureau.....	New York, N. Y., and Hartford, Conn. (Sept. 11-15, 1909.)	Inspection of new office quarters at Hartford, Conn., and consultation with official in charge at New York respecting new quarters. To inspect locations proposed for new quarters.	\$57.90	General expenses, Weather Bureau, 1910. (Traveling expenses.) Do.
Do.....	do.....	New York, N. Y. (Nov. 23-Dec. 1, 1909.)	To address meeting of North Carolina Society on Work of the Weather Bureau.	81.20	Do.
Do.....	do.....	Baltimore, Md. (Dec. 14-15, 1909).....	To inspect addition to office quarters.....	4.50	Do.
Do.....	do.....	New York, N. Y. (Dec. 21-24, 1909.)	To consult with local official at Boston, Mass., regarding the publication of weather maps, and to inspect the improvements in the office quarters at New York, N. Y.	43.20	Do.
Do.....	do.....	New York, N. Y., and Boston, Mass. (Jan. 11-14, 1910.)	To inspect stations and to consult with local Weather Bureau officials relative to publication of weather maps.	55.60	Do.
Do.....	do.....	Milwaukee, Wis., and Chicago, Ill. (June 11-19, 1910.)	To inspect horse preliminary to purchase by Weather Bureau.	81.60	Do.
Rausch, Gustav E.....	Clerk, class 1.....	Harvey's Ferry, W. Va. (Nov. 16-20, 1909.)	To attend meetings of International Committees on Weather Telegraphy and Weather Signals and to study foreign meteorological services.	15.16	Do.
Talman, Charles F.....	Librarian.....	London and Dover, England, and New York, N. Y. (May 15-July 12, 1909.)	(NOTE.—The expense of the portion of this journey, May 15-June 30, 1909, is contained in the travel report for the fiscal year 1909; this report covers the expense from July 1 to 12, 1909.)	36.90	Do.

## BUREAU OF ANIMAL INDUSTRY.

Ayers, S. H.....	Dairyman.....	Milwaukee, Wis. (Oct. 16-22, 1909).....	Attend National Dairy Show and conference of Dairy Division employees.	\$59.10	General expenses, B. A. I., 1910. (Dairy industry.) Do.
Do.....	do.....	Frederick, Md. (Dec. 28, 1909).....	Inspection of plant where dairy products were handled.	2.94	Do.
Behnke, A. E.....	Associate Chief, Inspection Division.	Baltimore, Md. (July 24, 1909).....	Investigate shipment of lard.....	3.50	Meat Inspection, B. A. I., 1910.
Do.....	do.....	Chicago, Ill. (Aug. 7-14, 1909).....	Obtain information concerning handling and shipping of meat.	69.75	Do.



Do.....	do.....	Chicago, Ill.; Kansas City, Kans.; Jacksonville, Ill., and St. Louis, Mo. (Mar. 2-17, 1910.)	Ascertain number of veterinary inspectors to be assigned to post-mortem work and other information relative to duties of meat inspection force.	148.10	Do.
Do.....	do.....	St. Louis, Mo.; Kansas City, Kans.; St. Joseph, Mo.; Wichita, Kans.; Fort Worth, Tex.; El Paso, Tex.; Los Angeles, Cal.; San Francisco, Cal.; Portland, Ore.; Seattle, Wash.; Spokane, Wash.; Ogden, Utah; Denver, Colo.; South Omaha, Nebr.; Sioux City, Iowa; Cedar Rapids, Iowa; South St. Paul, Minn.; Milwaukee, Wis., and Chicago, Ill. (Apr. 30-June 30, 1910.)	Holding examinations for bureau employees....	554.66	Do.
Bel, G. A.....	Assistant Animal Husbandman.	Sumter County, Ala. (July 30-Aug. 9, 1909.)	Inspect cattle used in beef feeding experiment conducted in cooperation with Alabama experiment station.	88.75	Cooperative experiments in animal feeding and breeding, 1910.
Do.....	do.....	Oklahoma City, Okla. (Oct. 2-9, 1909.)	Attend State fair to observe American carriage horse class.	108.30	General expenses, B.A.I., 1910. (Animal husbandry.)
Do.....	do.....	New York, N. Y., and Chicago, Ill. (Oct. 27-Dec. 10, 1909.)	Search records of customhouse for certificates of animals imported for breeding purposes. Chicago, to attend International Live Stock Exposition.	261.35	Do.
Do.....	do.....	New York, N. Y. (Jan. 8-10, 1910)....	Supervise examination of records pertaining to importation of horses for breeding purposes.	17.22	Do.
Do.....	do.....	New York, N. Y. (Jan. 23-Feb. 6, 1910.)	.....do.....	92.93	Do.
Do.....	do.....	Baltimore, Md.; Philadelphia, Pa.; Boston, Mass.; Portland, Me., and Middleburg, Vt. (Mar. 14-28, 1910.)	Search records of customhouses for certificates of animals imported for breeding purposes. Middleburg, Vt., to inspect stock in Morgan horse breeding experiment.	84.55	Do.
Benner, W. G.....	Veterinary Inspector.	Points in vicinity of District of Columbia. (Nov. 10, 1909-June 30, 1910.)	Testing cattle for tuberculosis.....	216.85	General expenses, B.A.I., 1910. (Inspection and quarantine.)
Brough, W.....	Machinist.	Baltimore, Md. (Feb. 21, 1910).....	Inspection of meat brands.....	1.95	Meat inspection, B. A. I., 1910.
Do.....	do.....	Baltimore, Md. (Apr. 27-29, 1910).....	Obtain materials required in connection with machine shop work of bureau.	4.15	General expenses, B.A.I., 1910. (Administrative expenses.)
Buckley, J. S.....	Assistant in pathology.	Points in Wyoming, Idaho, and Colorado. (July 1-Nov. 29, 1909.)	Investigation and eradication of a disease in sheep.	681.95	General expenses, B.A.I., 1910. (Inspection and quarantine.)
Do.....	do.....	Points in Utah. (Mar. 13-June 30, 1910.)	Study nature and prevalence of lip and leg disease in sheep and big head of animals.	468.40	General expenses, B.A.I., 1910. (Administrative expenses.)
Cave, R. A.....	Herd book assistant.	Points in Illinois, Iowa, Nebraska, and South Dakota. (July 13-30, 1909.)	Examine records of Percheron horses.....	176.16	General expenses, B.A.I., 1910. (Animal husbandry.)

*Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.*

## BUREAU OF ANIMAL INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Cave, R. A.	Herd book assistant.	Indianapolis, Ind., and Louisville, Ky. (Sept. 7-16, 1909.)	Attend State fairs, in regard to the classification of American carriage horses.	\$87.34	Cooperative experiments in animal feeding and breeding, 1910.
Do.	do.	Nashville, Tenn. (Sept. 22-24, 1909.)	do.	64.85	Do.
Do.	do.	Springfield, Ill. (Oct. 2-9, 1909.)	do.	83.25	Do.
Do.	do.	New York, N. Y. (Oct. 27-Nov. 27, 1909.)	Search records of customhouse for certificates of animals imported for breeding purposes.	157.15	General expenses, B. A. I., 1910. (Animal husbandry.)
Do.	do.	New York, N. Y. (Jan. 27-Feb. 6, 1910.)	Attend National Horse Show.	65.86	Do.
Do.	do.	Baltimore, Md.; Philadelphia, Pa.; Boston, Mass., and Portland, Me. (Mar. 14-23, 1910.)	Search records of customhouse for certificates of animals imported for breeding purposes.	75.81	Do.
Do.	do.	Beltsville, Md. (Apr. 8, 9, 11, 12, 13, 14, and 18, 1910.)	do.		
Do.	do.	Points in Illinois and Iowa. (May 16-28, 1910.)	Work in connection with the purchase of an experimental station.	3.60	General expenses, B. A. I., 1910. (Administrative expenses.)
Do.	do.	Monroe, N. C. (June 22-23, 1910.)	Investigate pedigrees of so-called Percheron horses.	126.22	General expenses, B. A. I., 1910. (Animal husbandry.)
Do.	do.	Monroe, N. C. (June 22-23, 1910.)	Deliver address before North Carolina Veterinary Medical Association.	28.15	Do.
Chapin, R. M.	Assistant chemist.	Kansas City, Kans.; St. Joseph, Mo.; South Omaha, Neb.; Jacksonville, Mo., and Chicago, Ill. (Sept. 20-Oct. 9, 1909.)	Investigate methods used in official dipping of sheep.	160.50	General expenses, B. A. I., 1910. (Diseases of animals.)
Dorman, J. E.	Dairyman.	Rocky Mount, N. C., and Greensboro, Ga. (July 16-Sept. 27, 1909.)	Installing experimental silos at points mentioned.	296.70	General expenses, B. A. I., 1910. (Dairy industry.)
Do.	do.	Points in the vicinity of the District of Columbia. (Oct. 7-11, 1909.)	Dairy farming investigations.	6.30	Do.
Do.	do.	Milwaukee, Wis. (Oct. 12-28, 1909.)	do.	88.65	Do.
Do.	do.	Alexandria, Va. (Oct. 30, 1909.)	Attend National Dairy Show and conference of Dairy Division employees.	2.75	Do.
Do.	do.	Points in the vicinity of the District of Columbia. (Nov. 1-29, 1909.)	Dairy farming investigations.	20.13	Do.
Do.	do.	Points in the vicinity of the District of Columbia. (Jan. 1-May 4, 1910.)	do.	45.70	Do.
Do.	do.	Berea, Ky. (May 10-14, 1910.)	Dairy farming investigations and work in connection with establishing experiment station at Beltsville, Md.	5.00	General expenses, B. A. I., 1910. (Administrative expenses.)
Do.	do.	Points in North Carolina and Georgia. (May 16-June 5, 1910.)	To confer with officials of Lincoln Institute and Berea College with reference to dairy work.	47.60	General expenses, B. A. I., 1910. (Dairy industry.)
Do.	do.		Erection of experimental silos.	118.82	Do.



Do.	do.	Points in the vicinity of the District of Columbia. (June 7-16, 1910.)	Dairy farming investigations.	6. 25	Do.
Do.	do.	Points in North Carolina. (June 18-30, 1910.)	Erection of experimental silos.	70. 84	Do.
Dorset, M.	Chief of Biochemic Division.	Denver, Colo., and Kansas City, Mo. (Aug. 21-Sept. 1, 1909.)	Attend National State Food and Dairy Convention and inspect bureau laboratories.	143. 50	Meat inspection, B. A. I., 1910.
Do.	do.	Chicago, Ill. (Sept. 11-16, 1909)	Explaining methods of preventing hog cholera.	64. 41	General expenses B. A. I., 1910. (Diseases of animals.)
Do.	do.	Richmond, Va. (Oct. 19-22, 1909)	Attend meeting of public health association to discuss methods of preparing tuberculin.	30. 90	Do.
Do.	do.	Chicago, Ill. (Nov. 30-Dec. 6, 1909)	Confering with State representatives concerning practical manufacture and application of antihog cholera serum.	76. 18	Do.
Do.	do.	Boston, Mass. (Dec. 28, 1909-Jan. 1, 1910.)	Attend meeting of the American Association for the Advancement of Science.	45. 60	Meat inspection, B. A. I., 1910.
Do.	do.	Philadelphia, Pa. (June 23-26, 1910)	Attending bureau's convention of veterinary inspectors on meat inspection.	18. 10	Do.
Downing, J. E.	Expert in stock investigations.	Cincinnati, Ohio; Chicago, Ill.; St. Louis, Mo.; Kansas City, Kans.; Oklahoma City, Okla.; Fort Worth, Tex.; Newport, Ark.; Nashville, Tenn.; Atlanta, Ga.; Spartanburg, S. C.; and Raleigh, N. C. (Aug. 16-Oct. 12, 1909)	Consulting federal court records to obtain information concerning pedigree record associations. Obtain information concerning relative prices of cattle on each side of Texas fever quarantine line, also information as to the progress and benefits of tick eradication work.	16. 45	General expenses B. A. I., 1910. (Animal husbandry.)
Do.	do.	Des Moines, Iowa. (Dec. 5-12, 1909)	Present paper before Corn Belt Meat Producers' Association, "Livestock transportation."	201. 61	General expenses B. A. I., 1910. (Bradicating cattle ticks.)
Elchhorn, A.	Bacteriologist.	Manassas, Va. (July 31, 1909)	Investigate reported outbreak of disease in cattle.	83. 20	General expenses B. A. I., 1910. (Administrative expenses.)
Do.	do.	Middletown, Va. (Aug. 20, 1909)	do.	3. 95	General expenses B. A. I., 1910. (Diseases of animals.)
Do.	do.	Chattanooga, Tenn. (Oct. 25-29, 1909)	Investigate alleged causes of milk sickness in animals.	6. 33	General expenses B. A. I., 1910. (Inspection and quarantine.)
Do.	do.	Leesburg, Va. (Apr. 4, 1910)	Examine horses available for purchase by the bureau.	72. 27	Do.
Do.	do.	Culpeper, Va. (Apr. 25-26, 1910)	Investigate reported outbreak of disease among animals.	3. 50	General expenses B. A. I., 1910. (Animal husbandry.)
Do.	do.	Philadelphia, Pa. (June 23-26, 1910)	Attend bureau's convention of veterinary inspectors on meat inspection.	6. 50	General expenses B. A. I., 1910. (Diseases of animals.)
Ellenberger, W. P.	Veterinary inspector.	Points in North Carolina, Georgia, Tennessee, Arkansas, and Oklahoma. (Aug. 2-27, 1909.)	Observe progress of work of tick eradication.	22. 50	Meat inspection, B. A. I., 1910.
Do.	do.	Fort Worth, Tex. (Nov. 15-22, 1909)	Conference concerning the work of eradicating cattle ticks.	193. 95	General expenses B. A. I., 1910. (Bradicating cattle ticks.)
Do.	do.	Fort Worth, Tex. (Feb. 3-10, 1910)	Confer with members of State live stock board and with bureau employees concerning the quarantine of cattle and eradication of cattle ticks.	109. 55	Do.
				108. 35	Do.

## EXPENDITURES FOR TRAVEL.

*Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.*

## BUREAU OF ANIMAL INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Ellenberger, W. P. ....	Veterinary inspector....	Fort Worth, Tex., and Little Rock, Ark. (Mar. 12-22, 1910.)	Attend meeting of Texas Cattle Growers' Association and confer with bureau employees concerning eradication of cattle ticks and transportation of southern cattle.	\$124. 25	General expenses, B. A. I., 1910. (Eradicating cattle ticks.)
Do.....	do.....	Points in North Carolina, Alabama, and Louisiana. (Apr. 2-12, 1910.)	Investigation of work of eradication of cattle ticks.	107. 55	Do.
Emery, J. A. ....	Senior biochemist.....	New York N. Y. (Jan. 27-30, 1910) ...	Obtain information concerning the preparation and proper designation for oilo stock, oilo oil, and oilo stearia.	35. 65	Meat inspection, B. A. I., 1910.
Farrington, A. M. ....	Assistant chief of bureau.	Chicago, Ill. (Sept. 5-13, 1909) .....	Attend meetings of college faculties and examining boards and the American Veterinary Medical Association.	66. 70	General expenses, B. A. I., 1910. (Administrative expenses.)
Do.....	do.....	Points in Wisconsin, Illinois, and States west of Mississippi River. (Apr. 30—June 30, 1910.)	Hold examinations for the promotion of bureau employees.	501. 71	Do.
Formad, R. J. ....	Scientific assistant, Animal Pathology.	Trenton, N. J. (Feb. 28—Mar. 1, 1910) ..	Appear as witness in trial United States v. Hoboken Butchers' Supply Co. to give testimony as to the unfitness of immature veal for use as food.	15. 10	Meat inspection, B. A. I., 1910.
Fravel, F. R. ....	Clerk.....	Huntsville, Ala. (Nov. 3-8, 1909) .....	Appear as witness in case of alleged violation of department regulations governing interstate movement of cattle in quarantined territory.	58. 55	General expenses, B. A. I., 1910. (Inspection and quarantine.)
Do.....	do.....	Harpers Ferry, Va., and Brunswick, Md. (Feb. 25, 1910.)	Obtain evidence of an alleged violation of regulations governing interstate movement of meat and meat food products.	5. 31	Meat inspection, B. A. I., 1910.
Graybill, H. W. ....	Scientific assistant, zoology.	Browns Summit, N. C. (Nov. 13-16, 1909.)	Investigate alleged outbreak of disease among sheep.	25. 55	General expenses, B. A. I., 1910. (Diseases of animals.)
Do.....	do.....	Lexington, Ky. (Dec. 13-17, 1909) ...	Conducting experiments in the treatment of sheep scabbers.	48. 63	General expenses, B. A. I., 1910. (Inspection and quarantine.)
Do.....	do.....	Lexington, Ky. (Mar. 26-Apr. 13, 1910.)	do.....	102. 86	Do.
Do.....	do.....	Lexington, Ky. (June 8-13, 1910)	Conducting experiments in dipping of cattle and eradication of cattle ticks.	51. 70	General expenses, B. A. I., 1910. (Eradicating cattle ticks.)
Do.....	do.....	Points in Alabama and Texas. (June 18-30, 1910.)	Investigating parasitic diseases of live stock. ...	57. 45	General expenses, B. A. I., 1910. (Diseases of animals.)
Hall, M. C. ....	Scientific assistant in veterinary zoology.	Points in North Dakota, Montana, and Utah. (Apr. 4-June 19, 1910.)		507. 21	



Henley, R. R.	Laboratory inspector.	Chicago, Ill. (June 11-26, 1910).	Study use of metallic containers in packing houses.	97.73	Meat inspection, B. A. I., 1910.
Hickman, R. W.	Chief, quarantine division.	Halethorp, Md., and Turners, Md. (Sept. 22, 1909.)	Arrange for quarantine stations.	3.25	General expenses, B. A. I., 1910. (Administrative expenses.)
Do.	do.	Baltimore, Md. (Oct. 8, 1909.)	do.	2.00	Do.
Do.	do.	Baltimore, Md. (Oct. 20, 1909.)	do.	2.85	Do.
Do.	do.	Auburn, Ala.; Terre Haute, Ind.; Indianapolis, Ind.; Cincinnati, Ohio; Chicago, Ill.; Grand Rapids, Mich.; Detroit, Mich.; and Toronto, Ontario. (Mar. 2-23, 1910.)	Visiting various veterinary colleges to determine what institutions have facilities for properly educating graduates in veterinary science and preparing them for admission to civil-service examinations and subsequent service in the department.	178.22	Meat inspection, B. A. I., 1910.
Do.	do.	Points in New York and Athenia, N. J. (June 4-8, 1910.)	Tuberculin testing of cattle for export. Inspect lighting plant at Athenia, N. J.		
Ingersoll, E. H.	Laboratory inspector.	Baltimore, Md. (Apr. 7, 1910)	Investigate the alleged presence of borax in certain pickling fluids at an establishment under federal inspection.	42.19	General expenses, B. A. I., 1910. (Administrative expenses.)
Johnson, Jr., W. T.	Laboratory helper.	Albert Lea, Minn. (July 1-Sept. 22, 1909.)	Detailed for laboratory work.	2.10	Meat inspection, B. A. I., 1910.
Kelly, E.	Dairyman.	New Orleans, La., Beaumont, Tex., Mobile and Birmingham, Ala. (Mar. 15-27, 1910.)	Market milk investigations.	78.30	General expenses, B. A. I., 1910. (Dairy industry.)
Do.	do.	Points in South Carolina, Georgia, and Florida. (Apr. 18-29, 1910.)	do.	107.70	Do.
Do.	do.	Points in Ohio. (May 16-29, 1910)	Market milk investigations.	97.01	Do.
Do.	do.	Points in Ohio, Kentucky, and Tennessee. (June 13-24, 1910.)	Market milk investigations and to accompany dairy train of instruction conducted under auspices of the University of Ohio.	89.05	Do.
Lamon, H. M.	Junior animal husbandman.	New York, N. Y. (Apr. 21-May 5, 1910.)	Market milk investigations.	107.75	Do.
Do.	do.	Points in Kansas. (May 9-June 30, 1910.)	Collect information concerning the market investigations of poultry and eggs.	76.98	General expenses, B. A. I., 1910. (Animal husbandry.)
Lee, A. R.	do.	Kensington, Md. (Oct. 29, 1909)	do.	233.36	Do.
Do.	do.	Falls Church, Va. (Oct. 30, 1909)	Cooperative poultry experiments.	.30	Do.
Do.	do.	Conowingo, Md. (Nov. 3, 1909)	do.	.35	Do.
Do.	do.	Baltimore, New Windsor, and Havre de Grace, Md. (Nov. 5-6, 1909.)	do.	4.46	Do.
Do.	do.	Beltsville, Md. (Nov. 8, 1909)	do.	10.45	Do.
Do.	do.	College Park, Md. (Nov. 15, 1909)	do.	2.05	Do.
Do.	do.	Woodstock, Md. (Nov. 16, 1909)	do.	.30	Do.
Do.	do.	Vienna, Va. (Nov. 20, 1909)	do.	5.18	Do.
Do.	do.	Relay, Ellicott City, and Baltimore, Md. (Nov. 23, 1909)	do.	.75	Do.
Do.	do.	McLain, Va. (Dec. 3, 1909)	do.	3.43	Do.
Do.	do.	Woodside, Md. (Dec. 8, 1909)	do.	.30	Do.
Do.	do.	Burr, Va. (Dec. 12, 1909)	do.	.60	Do.
Do.	do.	Falls Church, Va. (Jan. 28, 1910)	do.	.40	Do.
Do.	do.	New Windsor, Md. (Feb. 1, 1910)	do.	3.55	Do.

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## BUREAU OF ANIMAL INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Lee, A. R.	Junior animal husbandman.	Laurel, Md. (Feb. 4, 1910).....	Cooperative poultry experiments.....	\$2.50	General expenses, B. A. I., 1910. (Animal husbandry.)
Do.	do.	College Station, Md. (Feb. 7, 1910).....	do.	.40	Do.
Do.	do.	Garrett Park, Md. (Mar. 1, 1910).....	do.	.81	Do.
Do.	do.	Kensington, Md. (Mar. 27, 1910).....	do.	.30	Do.
Do.	do.	College, Md. (May 26, 1910).....	do.	2.85	Do.
Do.	do.	Silver Springs, Md. (May 28, 1910).....	do.	.20	Do.
Do.	do.	Garrett Park, Md. (May 31, 1910).....	do.	.83	Do.
McBryde, C. N.	Scientific assistant bacteriologist.	Chicago, Ill. (July 19-Sept. 13, 1909).....	Determine the cause of souring of meats during the process of curing.	270.98	Meat inspection, B. A. I., 1910.
McKeown, T. H.	Veterinary inspector.	Points in District of Columbia and Virginia. (July 1, 1909-June 30, 1910.)	Cooperative testing of cattle for tuberculosis.	416.06	General expenses, B. A. I., 1910. (Inspection and quarantine.)
Melvin, A. D.	Chief of bureau.	Middlebury, Vt. (July 1-2, 1909).....	Observe conditions at Government farm. Balance of trip in fiscal year 1909.	5.85	General expenses, B. A. I., 1910. (Administrative expenses.)
Do.	do.	Washington Junction, Md. (July 17, 1909.)	Investigating proposed site for an experiment station.	2.30	Do.
Do.	do.	Denver, Colo.; Cheyenne, Wyo.; Laramie, Wyo.; Omaha, Nebr.; and Chicago, Ill. (Aug. 21-Sept. 16, 1909.)	Attend meeting State food commissioners; convention of sheep raisers; inspect sheep used in cooperative experiments and observe progress of bureau's work.	228.74	Do.
Do.	do.	New York, N. Y. (Oct. 1-2, 1909).....	Observe and supervise bureau work.	21.20	Do.
Do.	do.	Baltimore, Md. (Oct. 8, 1909).....	Inspect proposed location of quarantine station.	2.10	Do.
Do.	do.	Ogden, Salt Lake City, Utah, and Denver, Colo. (Jan. 2-16, 1910.)	Attending convention National Wool Growers' Association and American National Live Stock Association.	203.70	Do.
Do.	do.	Cheyenne, Wyo. (Mar. 19-30, 1910).....	Attend sheep raisers' convention.	154.18	Do.
Do.	do.	Atlantic City, N. J. (May 6-8, 1910).....	Attend Associated Eastern Live Stock Sanitary Board meeting.	17.05	Do.
Do.	do.	Philadelphia, Pa. (June 23-26, 1910).....	Attending bureau's convention of veterinary inspectors on meat inspection.	20.25	Meat inspection, B. A. I., 1910.
Do.	do.	Purcellville, Va. (Sept. 27, 1909).....	Testing cattle for tuberculosis.	2.15	General expenses, B. A. I., 1910. (Inspection and quarantine.)
Meyst, F. W.	Veterinary inspector.	Points in Wisconsin, Illinois, and States west of Missouri River. (Apr. 30-June 30, 1910.)	Hold examinations for the promotion of bureau employees.	578.26	Meat inspection, B. A. I., 1910.
Do.	do.	Richmond, Va. (Aug. 20-21, 1909).....	Inspect a certain shipment of meat.	9.85	Do.
Mink, W.	Meat inspector.	Philadelphia, Pa., and Chicago, Ill. (Sept. 3-17, 1909.)	Install tuberculosis exhibit of bureau and attend meeting of American Veterinary Medical Association of Interstate Live Stock Sanitary Boards.	119.92	General expenses, B. A. I., 1910. (Diseases of animals.)
Mohler, J. R.	Chief, Pathological Division.				



Do.	Do.	Boston, Mass. (Sept. 26-28, 1909).....	Investigate presence of tuberculosis in hogs alleged to be due to garbage feeding.	33. 40	Meat inspection, B. A. I., 1910.
Do.	Do.	Buffalo, N. Y. (Dec. 12-15, 1909).....	Attend meeting of tuberculosis commission appointed to study methods for control and eradication of bovine tuberculosis.	36. 25	General expenses, B. A. I., 1910. (Diseases of animals.)
Do.	Do.	Ogden, Salt Lake City, and Denver, Colo. (Jan. 2-16, 1910.)	Attend convention National Wool Growers' Association and American National Live Stock Association; also observe work of eradicating disease of sheep.	19. 60 187. 40	Do. General expenses, B. A. I., 1910. (Administrative expenses.)
Do.	Do.	Detroit, Mich. (Feb. 28-Mar. 3, 1910).	Attend meeting of International Commission for Control of Bovine Tuberculosis.	50. 40	General expenses, B. A. I., 1910. (Diseases of animals.)
Do.	Do.	Ottawa, Canada. (May 17-22, 1910)....	do	62. 69	General expenses, B. A. I., 1910. (Administrative expenses.)
Do.	Do.	Philadelphia, Pa. (June 15, 1910).....	Installing bureau's tuberculosis exhibit.....	11. 29	General expenses, B. A. I., 1910. (Diseases of animals.)
Do.	Do.	Philadelphia, Pa. and Madison, Wis. (June 23-30, 1910.)	Attend bureau's convention of veterinary inspectors on meat inspection. Attend meeting International Commission on Bovine Tuberculin.	15. 75 70. 05	Meat inspection, B. A. I., 1910. General expenses, B. A. I., 1910. (Administrative expenses.)
Morse, G. B.	Assistant pathologist and bacteriologist.	Guelph, Canada. (July 1-18, 1909).....	Investigate outbreak of infectious disease of chickens.	38. 77	General expenses, B. A. I., 1910. (Diseases of animals.)
Do.	Do.	Niagara Falls and Guelph, Canada. (Aug. 11-16, 1909.)	Attend meetings of American Poultry Association and International Association of Inspectors and Investigators in Poultry Husbandry.	48. 85	Do.
Do.	Do.	Huntington, W. Va. (Dec. 28, 1909-Jan. 2, 1910.)	Attend meeting West Virginia Branch of American Poultry Association.	47. 40	Do.
Parks, G. H.	Architect.	Cleveland, Ohio, and Pittsburg, Pa. (Sept. 27-Oct. 1, 1909.)	Inspection of official establishments.....	62. 38	Meat inspection, B. A. I., 1910.
Do.	Do.	Baltimore, Md. (July 9, 1909).....	Inspect gasoline engines.....	1. 70	General expenses, B. A. I., 1910. (Inspection and quarantine.)
Do.	Do.	Athenia, N. J.; New York, N. Y.; and Middlebury, Vt. (July 13-18, 1909.)	Inspect official establishments and supervise construction work.	16. 60	Cooperative experiments in animal feeding and breeding.
Do.	Do.	Chicago, Ill., and points in Kansas. (July 24-31, 1909.)	Investigate condition of official establishments.	34. 40 111. 27	Meat inspection, B. A. I., 1910. Do.
Do.	Do.	Cincinnati, Ohio, and Louisville, Ky. (Sept. 27-Oct. 1, 1909.)	Confer with inspectors concerning condition of official establishments.	56. 90	Meat inspection, B. A. I., 1910.
Do.	Do.	Athenia, N. J. (Oct. 15-16, 1909).....	Installing lighting plant on quarantine station grounds.	16. 80	General expenses, B. A. I., 1910. (Inspection and quarantine.)
Do.	Do.	Cincinnati, Ohio, and Indianapolis, Ind. (Nov. 7-14, 1909.)	Inspect official establishments.....	71. 15	Meat inspection, B. A. I., 1910.
Do.	Do.	Paris, Ill. (Nov. 20-24, 1909).....	Attend conference relative to erection of abattoir.	58. 05	Do.

*Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.*

## BUREAU OF ANIMAL INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Parks, G. H.	Architect	Paris, Ill.; Des Moines, Iowa; and Cleveland, Ohio. (Feb. 10-19, 1910.)	Attend conference relative to erection of abattoir and inspect official establishments.	\$102.58	Meat inspection, B. A. I., 1910.
Do.	do.	Boston, Mass., New Haven, Conn., and Philadelphia, Pa. (Mar. 28-Apr. 1, 1910.)	Inspect official establishments.	49.20	Do.
Do.	do.	Boston, Mass.; Providence, R. I.; New York, N. Y.; and Philadelphia, Pa. (May 4-7, 1910.)	do.	43.05	Do.
Do.	do.	Boston, Mass. (June 6-9, 1910)	do.	42.35	Do.
Do.	do.	Paris, Ill. (June 12-16, 1910)	Attend conference relative to erection of an abattoir.	56.30	Do.
Do.	do.	Philadelphia, Pa. (June 23-25, 1910.)	Attend conference relative to erection of an abattoir.	18.25	Do.
Do.	do.	Providence, R. I. (June 28-30, 1910.)	Attend bureau's conference of veterinary inspectors on meat inspection.	33.90	Do.
Parks, K. E.	do.	Points in New Jersey and North Carolina. (Aug. 4-26, 1909.)	Inspecting dairy heating apparatus and testing experimental silo.	67.61	General expenses, B. A. I., 1910. (Dairy industry.)
Do.	do.	Milwaukee, Wis. (Oct. 12-22, 1909.)	Attend National Dairy Show, also attend conference of Dairy Division employees.	85.88	Do.
Do.	do.	{ Various points in Maryland. (Apr. 7-28, 1910.)	{ Obtain information concerning title to proposed experimental farm for the bureau.	{ 11.37 4.30	{ Do. General expenses, B. A. I., 1910. (Administrative expenses.)
Do.	do.	Points in South Carolina. (May 12-21, 1910.)	Dairy barns and silo investigations.	61.89	General expenses, B. A. I., 1910. (Dairy industry.)
Do.	do.	Boston, Mass. (June 16-19, 1910)	Inspect renovated-butter factories.	31.15	Do.
Do.	do.	Rapidan and Orange, Va. (June 25, 1910.)	Confer concerning erection of dairy buildings.	4.85	Do.
Pickens, J. M.	Editor	Ogden, Salt Lake City, Utah, and Denver, Colo. Jan. 2-16, 1910.)	Attend convention National Wool Growers' Association and American National Live Stock Association.	198.05	General expenses, B. A. I., 1910. (Administrative expenses.)
Rabld, Helmer.	Dairyman.	Points in Michigan. (July 1-9, 1909.)	Testing dairy herds.	45.97	General expenses, B. A. I., 1910. (Dairy industry.)
Do.	do.	Points in Georgia. (Aug. 2-16, 1909.)	Delivering addresses before farmers' clubs.	137.43	Do.
Do.	do.	Points in Vermont, Michigan, and Wisconsin. (Sept. 5-Oct. 30, 1909.)	Confer with State authorities concerning the organization of cow testing associations.	251.62	Do.
Do.	do.	Points in New York, Vermont, and New Hampshire. (Nov. 10-20, 1909.)	do.	79.38	Do.
Do.	do.	LaFayette, Ind.; Vandalia, Ill.; Lincoln, Neb.; Albert Lea, Minn.; and Columbus, Ohio. (Jan. 11-29, 1910.)	Delivering addresses before State dairy associations and testing of cows.	100.85	Do.
Do.	do.	Philadelphia, Pa. (Feb. 2-4, 1910.)	Attend meeting State dairy union.	17.70	Do.



Do.....	do.....	Manassas, Va. (Feb. 18, 1910) .....	Confer with farmers on subject of feeding and caring for corn.	2 15	Do.
Do.....	do.....	Points in Ohio. (Mar. 1-10, 1910) .....	Confer with State officials concerning cow testing.	70 00	Do.
Do.....	do.....	Points in Virginia, Tennessee, North Carolina, South Carolina, Georgia, Alabama, Mississippi, Arkansas, Texas, Oklahoma, Missouri, Minnesota, Wisconsin, and Michigan. (Apr. 2-30, 1910.) .....	do.....	224 46	Do.
Do.....	do.....	Knoxville, Tenn. (May 16-20, 1910) .....	Dairy farming investigations of the bureau.	47 60	Do.
Do.....	do.....	Baltimore, Md. (May 28, 1910) .....	Addressing cow-testing associations.	5 92	Do.
Do.....	do.....	Points in Pennsylvania. (May 30-June 1, 1910.) .....	do.....	19 52	Do.
Do.....	do.....	Points in Pennsylvania. (June 16-23, 1910.) .....	do.....	69 02	Do.
Ramsay, R. A.....	Associate Chief, Inspection Division.	Pittsburg, Pa. (Aug. 7-10, 1909) .....	Antemortem inspection of live stock.	29 94	General expenses, B. A. I., 1910. (Inspection and quarantine.)
Do.....	do.....	Points in Kentucky. (Aug. 29-Sept. 2, 1909.) .....	Enforcement of federal quarantine of sheep affected with scabies.	66 49	Do.
Do.....	do.....	Chicago, Ill.; Omaha, Nebr.; St. Joseph, Mo.; Kansas City, Kans.; Sheridan, Wyo.; Billings, Mont.; Spokane, Tacoma, and Seattle, Wash.; Pendleton, Oreg.; Salt Lake City, Utah; Albuquerque, N. Mex.; Denver, Colo.; Amarilla, Tex.; National Stock Yards, Ill.; and Indianapolis, Ind. (Nov. 29, 1909-Jan. 23, 1910.) .....	Conferring with bureau employees, State live stock sanitary officials, and supervise work of inspection and quarantine of animals.	492 22	Do.
Do.....	do.....	Chicago, Ill.; Omaha, Nebr.; Cheyenne, Wyo.; Denver, Colo.; points in New Mexico, Texas, Kansas, Missouri, Indianapolis, Ind., and Cleveland, Ohio. (Mar. 19-Apr. 14, 1910.) .....	do.....	280 55	Do.
Do.....	do.....	Louisville, Ky., and Cincinnati, Ohio. (June 13-17, 1910.) .....	Confer with officials of State of Kentucky and supervise stock yards inspection.	58 40	Do.
Ransom, B. H.....	Chief, Zoological Division.	Chicago, Ill. (Sept. 1-16, 1909) .....	Attend meeting of Interstate Association of Live Stock Sanitary Board.	57 85	General expenses, B. A. I., 1910. (Diseases of animals.)
Do.....	do.....	Richmond, Va. (Oct. 14-15, 1909) .....	Making zoological investigations related to the preparation of meat food products.	12 45	Do.
Do.....	do.....	Points in Texas, Missouri, Illinois, and Indiana. (Nov. 4-Dec. 9, 1909.) .....	Investigations in work of eradicating cattle ticks. Investigation of diseases of sheep.	162 29	General expenses, B. A. I., 1910. (Eradicating cattle ticks.)
Do.....	do.....	Richmond, Va. (Feb. 25, 1910) .....	Making zoological investigations relative to the preparation of meat food products.	52 05	General expenses, B. A. I., 1910. (Diseases of animals.)
Do.....	do.....	Markham, Va. (Mar. 1-2, 1910) .....	Investigating diseases of sheep.....	8 25	Do.
				3 80	Do.

*Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.*

## BUREAU OF ANIMAL INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Ransom, B. H.....	Chief, Zoological Division.	Points in Kansas, Oklahoma, Texas, and Kentucky. (May 7-21, 1909.)	Conducting experiments in eradicating cattle ticks.	\$188. 80	General expenses, B. A. I., 1910. (Eradicating cattle ticks.)
Rawl, B. H.....	Chief, Dairy Division.....	Round Hill, Va. (July 20, 1909) .....	Review work of bureau's experiments.....	2. 15	General expenses, B. A. I., 1910. (Dairy industry.)
Do.....	do.....	Points in Georgia and South and North Carolina. (Aug. 14-18, 1909.)	Supervise work of Dairy Division in States named and observing workings of slo.	40. 85	Do.
Do.....	do.....	Milwaukee, Wis., and Denver, Colo. (Aug. 20-30, 1909.)	Arrange for Dairy Division exhibit at National Dairy Show and attend dairy food convention.	131. 77	Do.
Do.....	do.....	Indianapolis, Inc., and Chicago, Ill. (Sept. 6-11, 1909.)	Attend meeting of health officials, milk inspectors, and dairymen of Indiana. Attend meeting of American Veterinary Medical Association.	73. 40	Do.
Do.....	do.....	Points in Illinois, Texas, Kansas, and Milwaukee, Wis. (Oct. 6-24, 1909.)	Supervising work of Dairy Division and attend National Dairy Show and conference of Dairy Division employees at Milwaukee, Wis.	175. 74	Do.
Do.....	do.....	New York, N. Y. (Jan. 26-28, 1910.)	Inaugurate market work of bureau.....	17. 80	Do.
Do.....	do.....	Points in South Carolina, Georgia, and Wisconsin. (Jan. 30-Feb. 13, 1910.)	Supervising work of Dairy Division.....	119. 15	Do.
Do.....	do.....	Points in Missouri, Kansas, Texas, Iowa, and Illinois. (Mar. 13-26, 1910.)	do.....	158. 24	Do.
Do.....	do.....	Beltsville, Md. (Apr. 12, 15, and 19, 1910.)	Secure data concerning title of proposed experiment station.	1. 60	General expenses, B. A. I., 1910. (Administrative expenses.)
Do.....	do.....	Points in Pennsylvania. (Apr. 25-27, 1910.)	Confer with college authorities regarding dairy scholarships.	21. 42	General expenses, B. A. I., 1910. (Dairy industry.)
Do.....	do.....	New York, N. Y. (May 3-4, 1910.)	Attend meeting of American Jersey Cattle Club.	20. 90	Do.
Do.....	do.....	Baltimore, Md. (May 12, 1910.)	Investigate title to Beltsville Experiment Station.	2. 50	Do.
Do.....	do.....	Points in Pennsylvania and New York. (May 30-June 2, 1910.)	Attend meetings of cattle breeders.....	46. 97	Do.
Do.....	do.....	Points in North Carolina, South Carolina, and Iowa. (June 3-9, 1910.)	Supervise and review work of division and plan for future work and attend dairy meetings.	98. 68	Do.
Do.....	do.....	Beltsville, Md. (June 11, 1910.)	Relative to purchase of experiment station.....	2. 00	General expenses, B. A. I., 1910. (Administrative expenses.)
Do.....	do.....	Philadelphia, Pa. (June 24, 1910.)	Attend bureau's convention of veterinary inspectors.	10. 45	General expenses, B. A. I., 1910. (Dairy industry.)



Reese, H. H.	Hutchinson, Kans. (Sept. 11-20, 1909).	Attend State fair to judge American carriage horses.	105.20	Cooperative experiments in animal feeding and breeding, 1910.
Do.	Sterling, Va. (Mar. 16, 1910)	Inspect mares and give advice concerning breeding.	3.15	General expenses, B.A.I., 1910. (Animal husbandry.)
Do.	Leesburg, Va. (Mar. 26-29, 1910)	Selecting and purchasing pair draft horses.	13.95	Do.
Do.	Waterford, Va. (Apr. 4, 1910)	Inspect mares and give advice concerning breeding.	8.00	Do.
Do.	Richmond, Va. (Apr. 8, 1910)	do.	11.65	Do.
Do.	Points in Illinois and Wisconsin. (Apr. 9-29, 1910)	Purchase horses and bring back mares recently purchased.	124.03	Do.
Do.	Richmond, Va. (June 24-25, 1910)	Purchase of mules for experiment station.	16.25	Do.
Rice, J. A.	Philadelphia, Pa. (June 23-25, 1910)	Stenographer of bureau's convention of veterinary inspectors on meat inspection.	15.10	Meat inspection, B. A. I., 1910.
Rogers, L. A.	Albert Lea, Minn., and Madison, Wis. (July 3-Aug. 13, 1909.)	Detailed for field work in connection with dairy products investigations.	81.37	General expenses, B.A.I., 1910. (Dairy industry.)
Do.	Milwaukee, Wis. (Oct. 16-22, 1909)	Attend National Dairy Show and conference of Dairy Division employees.	68.55	Do.
Do.	Baltimore, Md. (Apr. 11, 1910)	Obtain information concerning qualifications of applicants for positions.	1.50	Do.
Do.	Albert Lea, Minn. (June 4-30, 1910)	Detailed for laboratory work at Albert Lea, Minn.	46.30	Do.
Rommel, G. M.	Middlebury, Vt. (July 1-3, 1910.)	Observe condition Government farm.	9.20	General expenses, B.A.I., 1910. (Animal husbandry.)
Do.	New York, N. Y., and Middlebury, Vt. (Aug. 4-7, 1909.)	Make arrangements to search records of custom house for certificates of animals imported for breeding purposes. Inspect condition of work at experiment station.	20.95	Cooperative experiments in animal feeding and breeding, 1910.
Do.	Charlottesville, Va. (Aug. 11-12, 1909)	Attend farmers' meeting concerning horse breeding as a farm industry.	16.50	General expenses, B.A.I., 1910. (Animal husbandry.)
Do.	St. Charles, Ill.; Fort Collins, Denver, and Greeley, Colo.; Laramie, Wyo.; points in Iowa, Minnesota, Oregon, Washington, and California. (Aug. 19-Oct. 15, 1909.)	Inspect stallions with view to purchase suitable animal for experiment station; inspect horses at Fort Collins; inspect range breeding sheep and attend fairs as judge of American carriage horses and make report of showing in that class.	9.45	Cooperative experiments in animal feeding and breeding, 1910.
Do.	Alexandria, Va. (Nov. 3, 1909)	Observe husbandry conditions.	499.75	General expenses, B.A.I., 1910. (Animal husbandry.)
Do.	Springfield, Va. (Nov. 4, 1909)	do.	.30	Do.
Do.	Beltsville, Md. (Nov. 13, 1909)	Look over farm for proposed experiment station.	.60	Do.
Do.	Middlebury, Vt. (Nov. 17-19, 1909)	Confer with superintendent of station concerning improvements.	.50	Do.
Do.	Points in Vermont, Massachusetts, and New York. (Jan. 21-27, 1910.)	Confer with director of experiment station concerning horse breeding and address meeting concerning Morgan horses.	36.53	Cooperative experiments in animal feeding and breeding, 1910.
Do.			49.09	General expenses, B.A.I., 1910. (Animal husbandry.)

*Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.*

## BUREAU OF ANIMAL INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Rommel G. M.	Chief, Animal Husbandry Division.	Beltsville, Md. (Apr. 23, May 6-8, 1910.)	Investigation of site for proposed experiment station.	\$4.60	General expenses, B.A.I., 1910. (Administrative expenses.)
Do.	do.	Leesburg, Va. (May 6-8, 1910.)	Attend farmers' club concerning animal husbandry.	2.30	General expenses B.A.I., 1910. (Animal husbandry.)
Do.	do.	Points in Illinois and Iowa. (May 29-June 12, 1910.)	Examine stallions for Colorado Breeding Station. Investigate Percheron registration.	136.94	Do.
Do.	do.	Middlebury, Vt. (June 17-22, 1910.)	Member of board of survey to inspect and condemn such horses as were unsuitable for breeding purposes.	34.90	Cooperative experiments in animal feeding and breeding, 1910.
Schroeder, E. C.	Superintendent of experiment station.	Buffalo, N. Y. (Dec. 13-15, 1909.)	Attend meeting of the International Commission on Bovine Tuberculosis.	36.50	General expenses, B.A.I., 1910. (Diseases of animals.)
Do.	do.	Detroit, Mich. (Mar. 1-3, 1910.)	do.	49.00	Do.
Do.	do.	Ottawa, Canada. (May 18-22, 1910.)	do.	58.55	General expenses B.A.I., 1910. (Administrative expenses.)
Do.	do.	St. Louis, Mo. (June 4-10, 1910.)	Attend meeting of American Association of Medical Milk Commission.	83.15	Do.
Do.	do.	Madison, Wis. (June 25-30, 1910.)	Attend meeting of the International Commission on Bovine Tuberculosis.	68.70	General expenses, B.A.I., 1910. (Animal husbandry.)
Shaw, E. L.	Senior animal husbandman.	Madison, Wis. (July 1-6, 1909.) Trip begun in June, 1909.	Sheep and goat investigations.	63.94	General expenses, B.A.I., 1910. (Administrative expenses.)
Do.	do.	Points in Arkansas. (July 30-Aug. 12, 1909.)	Assist in farmers' institute work.	110.55	General expenses, B.A.I., 1910. (Animal husbandry.)
Do.	do.	Columbus, Ohio; Detroit, Mich.; Milwaukee, Wis.; Laramie, Wyo.; and Kansas City, Mo. (Aug. 28-Oct. 16, 1909.)	Attend State fairs in the interest of animal husbandry and investigate condition of sheep industry.	251.11	General expenses B.A.I., 1910. (Animal husbandry.)
Do.	do.	Points in New York, Vermont, Canada, and Ohio. (Oct. 27-Nov. 10, 1909.)	Select sheep for breeding experiments.	90.10	Cooperative experiments in animal feeding and breeding, 1910.
Do.	do.	Laramie, Wyo.; Chicago, Ill.; and Middlebury, Vt. (Nov. 19-Dec. 7, 1909.)	Separating sheep used in breeding; attend International Live Stock Exposition; arrange to conduct sheep-breeding experiments at Middlebury.	181.90	General expenses B.A.I., 1910. (Animal husbandry.)
Do.	do.	Fort Collins, Colo.; Laramie and Cheyenne, Wyo. (Jan. 14-18, 1910.)	Sheep and goat breeding investigations.	27.25	Do.



Do.	do.	Points in Ohio. (Mar. 9-13, 1910).....	Confer with officials of American Milch Goat Association concerning importation of milch goats from Switzerland.	46.40	Do.
Do.	do.	Middlebury, Vt. (Mar. 21-25, 1910).....	Assist in caring for ewes at lambing time.	38.68	Do.
Do.	do.	Middlebury, Vt. (June 8-11, 1910).....	Divide sheep to be used in breeding experiments.	37.96	Do.
Shaw, R. H.	Dairyman.	Boston, Mass. (June 16-20, 1910).....	Inspect renovated butter factories.	31.00	General expenses B.A.I., 1910. (Dairy industry.)
Shore, H. J.	Scientific assistant, animal pathology.	Points in Maryland. (July 8-9, 1909)...	Conducting experiments for prevention of hog cholera.	7.35	General expenses B.A.I., 1910. (Diseases of animals.)
Do.	do.	Upper Marlboro, Md. (July 15, 1909)...	do.	.68	Do.
Do.	do.	Points in Maryland. (July 28-29, 1909)...	do.	7.93	Do.
Do.	do.	Points in Maryland and Virginia. (Aug. 3-25, 1909).....	do.	16.73	Do.
Do.	do.	Herndon, Va. (Oct. 15, 1909).....	do.	3.85	Do.
Do.	do.	Norfolk, Va. (Dec. 20-22, 1909).....	do.	16.85	Do.
Do.	do.	Weston, W. Va. (Feb. 17-19, 1910).....	do.	25.54	Do.
Do.	do.	Easton, Md. (Apr. 15-16, 1910).....	do.	9.85	Do.
Do.	do.	Ames, Iowa. (May 21-June 30, 1910).....	do.	135.86	Do.
Shocum, R. R.	Animal husbandman.	Niagara Falls, N. Y., and Guelph, Canada. (Aug. 9-17, 1909.)	Attend meeting of American Poultry Association and International Association of Instructors and Investigators in Poultry Husbandry.	50.05	General expenses B.A.I., 1910. (Animal husbandry.)
Do.	do.	Points in Tennessee. (Aug. 29-Sept. 16, 1909.)	Investigating poultry conditions.	127.96	Do.
Do.	do.	Chicago, Ill.; Madison, Wis.; and points in Minnesota. (Dec. 6-20, 1909.)	Attend Chicago Poultry Show; collect information concerning cooperative marketing of eggs.	139.37	Do.
Do.	do.	New York, N. Y. (Dec. 30, 1909-Jan. 2, 1910.)	Attend Madison Square Garden Poultry Show.	23.75	Do.
Do.	do.	Philadelphia, Pa. (Jan. 18-19, 1910)...	Collect information concerning marketing of poultry and eggs.	12.65	Do.
Do.	do.	Points in Kansas, Iowa, Illinois, and Ohio. (Jan. 31-Feb. 19, 1910.)	do.	179.74	Do.
Do.	do.	Points in New York. (Mar. 1-5, 1910.)	do.	35.85	Do.
Do.	do.	Points in Tennessee and Kentucky. (Mar. 7-23, 1910.)	do.	154.81	Do.
Do.	do.	New York, N. Y. (Mar. 31-Apr. 1, 1910.)	do.	16.50	Do.
Do.	do.	New York, N. Y. (Apr. 21-May 5, 1910.)	do.	74.52	Do.
Do.	do.	Points in Kansas. (May 9-19, 1910)...	do.	101.10	Do.
Do.	do.	Points in West Virginia. (June 21-25, 1910.)	Accompany train run by Chesapeake & Ohio Ry. and West Virginia State Board of Agriculture.	34.70	Do.
Smith, W. H., jr.	Veterinary inspector.	Philadelphia, Pa. (Oct. 27-29, 1909)...	Investigate conditions of meat inspection service.	17.25	Meat inspection, B.A.I., 1910.
Do.	do.	Baltimore, Md. (Feb. 18, 1910).....	do.	2.65	Do.
Do.	do.	Points in New England States. (May 16-June 1, 1910.)	do.	122.35	Do.

*Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, to points outside of the District of Columbia during the fiscal year 1910—Continued.*

## BUREAU OF ANIMAL INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Smith, W. H., jr.	Veterinary inspector	Annapolis, Md. (June 3, 1910)	Investigate conditions of meat inspection service.	\$2.10	Meat inspection, B. A. I., 1910.
Do.	do.	Philadelphia, Pa. (June 24-26, 1910)	Attend bureau's convention of veterinary inspectors on meat inspection.	20.90	Do.
Steddum, R. P.	Chief, Inspection Division.	Chicago, Ill., and Cincinnati, Ohio. (Sept. 11-Oct. 3, 1909.)	Attend annual meeting of Interstate Association of Live Stock Sanitary Boards and investigate handling of live stock.	68.75	General expenses B. A. I., 1910. (Administrative expenses.)
Do.	do.	Points in Texas and Missouri. (Oct. 11-27, 1909.)	Investigate handling of live stock.	168.80	Do.
Do.	do.	Ogden, Salt Lake City, Utah, and Denver, Colo. (Jan. 2-16, 1910.)	Attend convention of National Wool Growers' Association and American National Live Stock Association; also observe work of eradicating diseases of animals.	194.60	Do.
Do.	do.	Philadelphia, Pa. (June 23-25, 1910)	Attend bureau's convention of veterinary inspectors on meat inspection.	13.25	Meat inspection, B. A. I., 1910.
Stuart, D.	Dairyman.	Milwaukee, Wis. (Oct. 12-26, 1909)	Attend National dairy show and convention of Dairy Division employees.	97.42	General expenses, B. A. I., 1910. (Dairy industry.)
Do.	do.	St. Paul, Minn. (Apr. 13-May 5, 1910.)	Cow-testing association work of bureau.	112.40	Do.
Thompson, R. E. L.	Carpenter.	Beltsville, Md. (Apr. 9-May 5, 1910)	Work in connection with location of experimental station.	4.00	General expenses B. A. I., 1910. (Administrative expenses.)
Do.	do.	Annapolis, Md. (May 31, 1910)	Examine water supply in connection with proposed location of an experimental station.	1.75	Do.
Do.	do.	Beltsville, Md. (June 29, 1910)	Work in connection with location of an experimental station.	.40	Do.
Thompson, S. C.	Dairyman.	Points in Virginia, North Carolina, and Tennessee. (Sept. 4-25, 1909.)	Addressing farmers' meetings on subjects relating to the dairy industry.	127.75	General expenses B. A. I., 1910. (Dairy industry.)
Do.	do.	Points in Maryland, Pennsylvania, Ohio, Wisconsin, Illinois, Missouri, Iowa, Nebraska, Wyoming, Colorado, Utah, Montana, and North Dakota. (Oct. 4-Dec. 22, 1909.)	Dairy products investigations of bureau; attend National dairy show and conference of Dairy Division employees.	501.81	Do.
Do.	do.	Newton, N. C. (Jan. 11-14, 1910)			
Do.	do.	Columbia, S. C. (Jan. 30-Feb. 3, 1910)	Conferring with citizens concerning the advisability of establishing a creamery.	28.35	Do.
Do.	do.		Attend meeting of the live stock association to deliver address relating to the dairy industry.	44.80	Do.
Do.	do.	San Antonio, Tex. (Feb. 19-26, 1910)	Deliver address before the Texas Creamery Association.	118.62	Do.
Do.	do.	Points in Ohio. (Mar. 13-19, 1910)	Accompany dairy train.	49.16	Do.
Do.	do.	Points in Kentucky, Missouri, Kansas, Colorado, and Iowa. (May 8-29, 1910)	Inspecting renovated butter factories.	200.05	Do.



Do.	Do.	58.10	Do.
Traum, J.	Cooperstown, Mich. (June 9-14, 1910).	1.55	General expenses B.A.I., 1910. (Diseases of animals.)
Wade, W. H.	Dickerson, Md. (Apr. 10, 1910).	70.25	General expenses B.A.I., 1910. (Inspection and quarantine.)
Washburn, H. J.	Points in the vicinity of the District of Columbia. (Feb. 2-June 30, 1910).	85.25	General expenses B.A.I., 1910. (Diseases of animals.)
Weld, I. C.	Brookings, S. Dak. (Jan. 24-30, 1910).	36.30	General expenses B.A.I., 1910. (Dairy industry.)
Do.	Denver, Colo., and Omaha, Nebr. (July 1-10, 1909.) Trip began in June, 1909.	73.94	Do.
Do.	Points in New England States. (July 25-Aug. 29, 1909.)	142.45	Do.
Do.	Points in Indiana, Kentucky, and Ohio. (Sept. 4-27, 1909.)	168.46	Do.
Do.	Springfield, Ill., and Milwaukee, Wis. (Oct. 2-31, 1909.)	184.10	Do.
Do.	Points in New England States. (Nov. 1-Dec. 5, 1909.)	12.80	Do.
Do.	Richmond, Va. (Feb. 11-12, 1910).	15.67	Do.
Do.	Reading, Pa. (Mar. 12, 1910).	4.90	Do.
Do.	Annapolis, Md. (Mar. 23 and 25, 1910).	26.42	Do.
Do.	Points in New York. (Mar. 27-Apr. 3, 1910.)	3.95	Do.
Do.	Annapolis, Md. (Apr. 12, 1910).	12.70	Do.
Do.	Harrisonburg, Va. (Apr. 14-15, 1910).	4.25	Do.
Do.	Annapolis, Md. (Apr. 22, 1910).	75.50	Do.
Do.	Points in New England States. (Apr. 26-May 8, 1910.)	4.05	Do.
Do.	Annapolis, Md. (May 13, 1910).	116.12	Do.
Do.	Points in Indiana, Minnesota, and Wisconsin. (May 16-29, 1910.)	3.90	Do.
Do.	Annapolis, Md. (June 2, 1910).	69.46	Do.
Do.	Grand Rapids, Mich. (June 4-12, 1910.)	18.40	Do.
Do.	Points in New Jersey. (June 14-16, 1910.)	27.30	Do.
Do.	Monroe, N. C. (June 22-24, 1910).	105.90	Do.
Whitaker, G. M.	Points in Alabama. (July 7-28, 1909).	27.76	Do.
Do.	Pittsburg, Pa. (Aug. 18-29, 1909).	26.75	Do.
Do.	Durham, N. C. (Sept. 1-5, 1909).	126.42	Do.
Do.	Milwaukee, Wis. and points in Iowa. (Oct. 12-28, 1909.)		Do.

Confer with creamery company concerning construction of ice cream plant.  
Investigate reported outbreak of disease in cattle.  
Inspecting cattle for tuberculosis.  
Deliver an address on anthrax.  
Market milk investigations.  
Conference regarding erection and equipping certified milk plants, also conferring with local health officers with reference to use of department score card.  
Delivering lectures concerning the dairy industry.  
Attend Illinois State Fair, National dairy show and conference of employees of the Dairy Division.  
Establish system of score card inspection.  
Inspecting dairy farms.  
Deliver address on market milk.  
Inspecting dairy farms.  
Inspection work in cooperation with State Commissioners of Agriculture.  
Inspecting dairy farms.  
Delivering address on market milk.  
Inspecting dairy farms.  
Market milk investigations.  
Inspecting dairy farms.  
Observation as to use of department scorecard.  
Inspecting dairy farms.  
Deliver address relating to dairy industry.  
Attend meeting of certified Milk Producers' Association.  
Attend meeting of North Carolina Veterinary Medical Association.  
Market-milk investigations.  
do.  
do.  
Attend National Dairy Show; conference of Dairy Division employees and market-milk investigations.

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.

BUREAU OF ANIMAL INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Whitaker, G. M.	Dairyman	Raleigh, N. C., points in Illinois, Wisconsin, and Indiana. (Nov. 2-Dec. 19, 1909.)	Market-milk investigations.	\$183.63	General expenses, B. A. I., 1910. (Dairy industry.)
Do.	do.	Buffalo, N. Y., and Chicago, Ill. (Jan. 31-Feb. 10, 1910.)	do.	95.59	Do.
Do.	do.	Beaumont, Tex. (Mar. 13-24, 1910.)	do.	145.60	Do.
Do.	do.	Chicago, Ill., and Staunton, Va. (May 22-28, 1910.)	do.	66.72	Do.
Do.	do.	St. Louis, Mo., and points in New England States. (June 4-30, 1910.)	do.	158.89	Do.
White, B. D.	do.	Points in Wisconsin and Minnesota. (Aug. 9-26, 1909.)	Obtaining pictures of dairy animals and other subjects relating to the dairy industry.	151.99	Do.
Do.	do.	St. Paul, Minn. (Sept. 4-14, 1909.)	Attend Minnesota State Fair to deliver addresses relating to dairy industry.	94.90	Do.
Do.	do.	Milwaukee, Wis., and Mason City, Iowa. (Oct. 12-28, 1909.)	Attend National Dairy Show; convention of Dairy Division employees and deliver address relating to the dairy industry.	132.52	Do.
Do.	do.	Points in Minnesota, Iowa, and Missouri. (Nov. 9-30, 1909.)	Delivering addresses on subjects relating to dairy industry.	148.57	Do.
Do.	do.	Points in Maine, Massachusetts, and Philadelphia, Pa. (Jan. 12-31, 1910.)	Delivering addresses on subjects relating to dairy industry.	73.88	Do.
Do.	do.	Points in New York and Vermont. (Feb. 14-18, 1910.)	do.	52.37	Do.
Do.	do.	Points in New York, Pennsylvania, Ohio, Wisconsin, Minnesota, and Iowa. (Apr. 5-19, 1910.)	Delivering addresses on subjects relating to the dairy industry. Collecting information relating to feeding of creamery by-products, and give instructions concerning the packing of butter for the Navy Department.	154.76	Do.
Do.	do.	Points in New York, Ohio, and Michigan. (May 3-8, 1910.)	Inspect creamery apparatus and observe packing of Navy Department butter.	71.61	Do.
Do.	do.	Points in Iowa, Minnesota, and New England States. (June 5-30, 1910.)	Conference concerning cooperative dairy work; improving quality of dairy products; with Dairy Division employees concerning dairy work and dairy manufacturing investigations.	180.54	Do.
Wooden, M. W.	Associate Chief Inspection Division.	Baltimore, Md. (Nov. 1-3, 1909.)	Examination of meat inspection service.	10.65	Meat inspection, B. A. I., 1910.
Do.	do.	Points in Rhode Island, New York, New Jersey, and Pennsylvania. (Dec. 7-18, 1909.)	Give instruction to employees concerning the work of post-mortem examination.	131.20	Do.
Do.	do.	Philadelphia, Pa. (June 23-26, 1910.)	Attend bureau's convention of veterinary inspectors on meat inspection.	23.65	Do.

EXPENDITURES FOR TRAVEL.



Woodward, B. T.....	Veterinary inspector.....	Round Hill, Va. (July 29, 1909).....	Testing cattle for tuberculosis.....	3. 50	General expenses, B. A. I., 1910. (Inspection and quarantine.)
Do.....	do.....	Points in Virginia. (Aug. 3-7, 1909).....	do.....	24. 25	Do.
Do.....	do.....	Points in the vicinity of Washington, D. C. (Sept. 4, 1909-June 30, 1910.)	do.....	66. 19	Do.

## BUREAU OF PLANT INDUSTRY.

Adams, J. M. R.....	Laboratory aid.....	Garfield, Lehigh, Saratoga Springs, and Salt Lake City, Utah. (Mar. 30-June 30, 1910.)	Selecting and planting seed beets; counting, checking, and sowing seeds; installing weather instruments; making meteorological records; photographing, and other details connected with the investigations of diseases of sugar beets and related problems. To secure data concerning the relation between nutrition of cotton plants and oil content of seed as affected by different soil types; tak- ing notes on experimental plats; instructing and aiding growers in making selections; and in other problems connected with the farmers' cooperative breeding work in northern Georgia.	125. 80	General expenses, B. P. I., 1910. (Sugar plant in- vestigation.)
Allard, Harry A.....	Scientific assistant.....	Gainesville, Hoschton, Thompson's Mills, Ga. (Sept. 11-Oct. 9, 1909.)	To demonstrate work of the seed testing lab- oratories at the State Agricultural Fair; and making mechanical purity tests of samples of seed at the Lincoln seed testing laboratory. To study the barium content of plants as re- lated to stock poisoning.	77. 17	General expenses, B. P. I., 1910. (General plant breeding.)
Do.....	do.....	Gainesville, Hoschton, Thompson's Mills, Ga. (Sept. 11-Oct. 9, 1909.)	Selecting and picking individual bolls, and planting of cotton on experimental plats, examining and taking notes on same; study- ing oil content and oil types; and conferring with cooperators.	86. 44	Do.
Do.....	do.....	Gainesville, Hoschton, Thompson's Mills, Ga. (Apr. 8-May 13, 1910.)	Preparing and planting experimental plats of cotton, soy beans, etc.	44. 33	Do.
Allen, Edward R.....	do.....	Fallon, Nev. (July 1-Oct. 15, 1909).....	Continuation of season's work in collecting, preparing, and examining samples of soils for nitrate determination; making nitrification tests and conducting laboratory experiments necessary in the research and reconnaissance work of investigations in soil bacteriology and water purification. Demonstrating work of the seed testing lab- oratories at the State Agricultural Fair; and making mechanical purity tests of samples of seed at the Lincoln seed testing laboratory. To study the barium content of plants as re- lated to stock poisoning.	85. 60	General expenses, B. P. I., 1910. (Bacteriology and nutrition.)
Allen, Louise M.....	do.....	Minneapolis, Minn., and Lincoln, Nebr. (Sept. 4, 1909-May 8, 1910.)	To investigate cases of pellagra and obtain specimens of corn suspected of causing the disease; and attending a national conference at State Hospital for the Insane, and con- sulting experts on possible relation of Indian corn to Pellagra.	138. 80	General expenses, B. P. I., 1910. (Seed-testing lab- oratories.)
Alsberg, Carl L.....	Chemical biologist.....	Lynchburg, Evinston, Gardners, Va., and vicinity; and Bluefields, W. Va. (Oct. 6-12, 1909.)		42. 65	General expenses, B. P. I., 1910. (Drug and other plants.)
Do.....	do.....	Columbia, S. C. (Nov. 2-6, 1909).....		42. 00	Do.

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.

## BUREAU OF PLANT INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Alsberg, Carl L.....	Chemical biologist.....	Baltimore, Md. (Dec. 2, 1909).....	To secure data on corn in connection with pellagra studies; consult authorities at Johns-Hopkins University regarding poisonous plant work.	\$2.00	General expenses, B. P. I., 1910. (Drug and other plants.)
Arnold, Jacob H.....	Scientific assistant.....	Charlestown, W. Va. (Three trips.) (Sept. 9-28, 1909.)	To study methods of preparing land for fall seeding of wheat; assist farmers in planning cropping systems; confer with expert stations and State officials and secure statistics from county records in connection with the investigations of farm management and practice.	56.15	General expenses, B. P. I., 1910. (Farm management.)
Do.....	do.....	Lexington, Berea, Frankfort, Ky.; Cumberland Gap, Knoxville, Tenn., and adjacent points. (Oct. 18-Nov. 24, 1909.)	Studying systems of farm management and practice.	183.29	Do.
Do.....	do.....	Charlestown, Morgantown, Fallsburg, W. Va.; Johnson City, Cumberland Gap, Knoxville, Crossville, Grandview, Tenn.; and Winchester, Berea, Ky. (Feb. 28-Apr. 3, 1910.)	do.....	256.14	Do.
Do.....	do.....	Charlestown, W. Va. (Apr. 22-23, 1910.)	do.....	10.50	Do.
Do.....	do.....	Johnson City, Cumberland Gap, Washington, College, Nashville, Crossville, Tenn.; Bowling Green, Hopkinsville, and Simpsonville, Ky. (May 7-26, 1910.)	To visit farms connected with schools and colleges and interview authorities relative to systems of farm management.	136.76	Do.
Do.....	do.....	Charlestown, Harpers Ferry, Elkins, Ronceverte, W. Va.; Louisville, Nashville, Tenn.; and Bowling Green, Ky. (June 2-30, 1910.)	To make investigations; inspect and inaugurate demonstration work in the most improved systems of farm management.	141.10	Do.
Ayres, Thomas W.....	do.....	Fort Valley, Barnesville, Atlanta, Adairsville, Cornelia, Marietta, Mount Airy, and Athens, Ga. (July 1-Aug. 7, 1909.)	Continuation of season's work in conducting spraying experiments and various methods of controlling brown rot and other diseases of the peach, and collecting data on the results of the work.	117.75	General expenses, B. P. I., 1910. (Fruit diseases.)
Do.....	do.....	Sleepy Creek, Okonoko, Keyser, and Romney, W. Va. (Aug. 22-29, 1909.)	Working and taking notes on spraying experiments for the control of peach diseases.	22.79	Do.
Do.....	do.....	Herndon, Mount Jackson, Harrisonburg, Staunton, Fishersville, and Crozet, Va. (Sept. 13-Oct. 16, 1909.)	To conduct spraying experiments and demonstrations for the control of fruit diseases.	83.13	Do.



Do.	Bedford, Pa. (Dec. 1-3, 1909).....	To deliver a lecture on the "Control of peach scab and brown rot" before the county Fruit Growers' Association.	17.95	Do.
Ball, Carlton R.....				
	Agronomist.....	Nara Visa, N. Mex. Chicago, Ill.; Hutchinson, Sterling, Dodge City, Scott City, Kans.; Amarillo, Del Rio, San Antonio, Abilene, Dalhart, Pecos, Uvalde, Kerrville, Fort Mc-Kavett, San Angelo, Christoval, Tex.; Big Springs, Colo.; Laramie, Lorraine, and Merkel, Tex. (Aug. 3-Oct. 21, 1909.)	490.09	General expenses, B.P.I., 1910. (Grain investigations.)
Ballard, W. S.....	Scientific assistant.....	Suisun City, Cal., via Chicago, Ill. (July 1-4, 1909.)	87.50	General expenses, B.P.I., 1910. (Fruit diseases.)
Do.....	do.....	Winchester, Va. (Sept. 7-10, 1909) ...	15.00	Do.
Do.....	do.....	Suisun City, Watsonville, San Francisco, San Jose, Palo Alto, Napa, Lodi, Yolo, Chico, Courtland, Walnut Creek, Vacaville, Sacramento, Cal. (Oct. 4, 1909-June 30, 1910.)	463.18	Do.
Barbat, Wingate P.....	Expert.....	New York City. (Aug. 21-27, 1909) ...	42.45	General expenses, B.P.I., 1910. (Cotton standardization.)
Do.....	do.....	Memphis, Tenn.; New Orleans, La.; Jackson, Meridian, Miss.; Selma, Montgomery, Ala.; Atlanta, Savannah, Augusta, Ga.; and Charlotte, N. C. (Aug. 28-Sept. 15, 1909.)	172.40	Do.
Do.....	do.....	Memphis, Tenn., and New Orleans, La. (Oct. 16-25, 1909.)	95.55	Do.
Do.....	do.....	New York City. (Dec. 2-13, 1909) ...	11.15	Do.
Do.....	do.....	New York City. (Feb. 5-10, 1910)	9.75	Do.
Beattie, W. R.....	Assistant horticulturist.....	Norfolk, Va. (July 16-23, 1909) .....	30.28	General expenses, B.P.I., 1910. (Arlington farm and horticulture.)
Do.....	do.....	Norfolk, Suffolk, Va.; Wilmington, Chadbourn, N. C.; Charleston, S. C., and vicinity. (Aug. 9-16, 1909.)	72.60	Do.
Do.....	do.....	St. Louis, Campbell, Mo.; Shreveport, Belcher, La.; Scottsville, Marshall, Dallas, Denison, and Greenville, Tex. (Sept. 1-22, 1909.)	180.85	Do.
Do.....	do.....	Norfolk, Va. (Oct. 5-8, 1909) .....	34.25	Do.

*Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.*

## BUREAU OF PLANT INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Beattie, W. R.	Assistant horticulturist.	Buffalo, N. Y. (Oct. 17-21, 1909) .....	To attend meeting of the Vacant Lot Gardening Association and deliver an address on the "Promotion of Vacant Lot and School Gardening Ideas."	\$39.85	General expenses, B. P. I., 1910. (Arlington farm and horticulture.)
Do.	do.	Shreveport, Belcher, Dixie, La.; Gloucester, Vicksburg, Miss.; St. Louis, Mo.; Columbus and Delaware, Ohio. (Nov. 1-Dec. 7, 1909.)	Conducting experiments to determine the possibilities of the manufacture of peanut oil in the United States, and making observations upon the storage of celery and onions.	309.74	Do.
Do.	do.	St. Louis, Mo.; Little Rock, Pine Bluff, Ark.; Tyler, Morrill, Lufkin, Tex.; and Shreveport, La. (Jan. 18-Feb. 5, 1910.)	To study methods of marketing truck crops; address the Little Rock Board of Trade on the subject of peanuts and their place in diversified agriculture; investigate methods of storing potatoes for seed purposes; and the Bermuda onion industry in Texas, and growing of imported onions, especially the Spanish type.	152.10	Do.
Do.	do.	Norfolk, Va. (Feb. 10-12, 1910) .....	To study crop rotation, and use of improved machinery for the cultivation and harvesting of peanuts, and adaptation of methods for the production of oil, etc.	13.35	Do.
Do.	do.	Isle of Wight Court House, Petersburg, Norfolk, and Suffolk, Va. (Mar. 24-26, 1910.)	To study conditions of the peanut industry...	19.40	Do.
Do.	do.	Parkersburg, Ravenswood, Le Roy, and Spencer, W. Va. (Apr. 6-9, 1910.)	To join a special institute train run over the R. S. & G. Ry. under the auspices of the State Board of Agriculture of West Virginia.	14.30	Do.
Do.	do.	Wilmington, Chadbourne, N. C.; and Florence, S. C. (Apr. 20-23, 1910.)	To investigate the strawberry industry of that region.	36.95	Do.
Do.	do.	Shreveport, La. (May 7-14, 1910) .....	Continuation of experiments and demonstrations in the peanut industry.	103.25	Do.
Do.	do.	Norfolk, Va. (May 25-28, 1910) .....	To investigate the sweet potato and peanut crops in that vicinity.	36.00	Do.
Beavers, James C.	Scientific assistant.	Anniston, Talladega, Auburn, Ala.; Athens, Carrollton, Atlanta, Lawrenceville, Griffin, Cedartown, Ga.; Columbia, Greenwood, Laurens, Anderson, Spartanburg, S. C.; Greensboro, High Point, Charlotte, and other points in North Carolina. (July 6-Aug. 20, 1909.)	To investigate commercial fertilizers, and other methods of maintaining soil fertility.	236.18	General expenses, B. P. I., 1910. (Farm management.)
Do.	do.	Eason, Salisbury, Chestertown, Md.; Greenwood, Dover, and Wilmington, Del. (Dec. 6-12, 1909.)	To make a thorough study of farm practices in the use of manures and fertilizers.	39.62	Do.



Do.....	do.....	Columbia, Lancaster, Oxford, Kennett Square, West Chester, Avondale, Philadelphia, Pa.; Woodbury, Mullica Hill, Salem, and Woodstown, N. J. (Mar. 1-17, 1910.)	To investigate use of manures and fertilizers, and to study methods of soil improvement.	90.63	Do.
Do.....	do.....	Rectortown, Markham, Charlottesville, Amherst, Bedford City, Appomattox, Farmville, and Burkesville, Va. (Mar. 28-Apr. 9, 1910.)	do.....	62.60	Do.
Do.....	do.....	Chestertown, Md.; Philadelphia, Pa.; Bridgeton, Vineland, Ocean City, Hammononton, Lakewood, Farmingdale, Freehold, Jamesburg, Mount Holly, Plainsboro, N. J. (Apr. 18-29, 1910.)	Studying farm practices in the use of manures and fertilizers, and maintenance of soil fertility; and to inaugurate demonstration work along this line.	67.09	General expenses, B. P. I., 1910. (Farm management.)
Do.....	do.....	Salisbury, Berlin, Snow Hill, Elkton, Md.; Georgetown, Millford, Wilmington, Del.; and Freehold, N. J. (May 3-28, 1910.)	To collect data on the use of fertilizers and soil amendments, and investigate farm practices relative to use of green manures in connection with farm management.	73.04	Do.
Do.....	do.....	Elkton, Perryville, Md.; Wilmington, Newark, Del.; Trenton, Freehold, N. J.; Avondale, Coatesville, Oxford, and Lancaster, Pa. (June 12-30, 1910.)	do.....	108.29	Do.
Belz, Jacob Otto.....	Assistant.....	North Platte, Mitchell, Nebr.; Cheyenne, Wyo.; Bellefourche, S. Dak.; Dickinson, Edgely, Williston, Fargo, N. Dak.; Huntley, Philbrook, Mont. (Aug. 20-Sept. 29, 1909.)	To inspect, test, and install new physical apparatus in laboratories, and conduct physical field investigations.	256.25	General expenses, B. P. I., 1910. (Western agricultural extension.)
Besley, H. J.....	do.....	Philadelphia, Pa. (Mar. 11-12, 1910.)	To inspect and repair electrical resistance thermometers for use in the transportation and storage investigations of the Office of Grain Standardization.	14.19	General expenses, B. P. I., 1910. (Grain standardization.)
Do.....	do.....	Baltimore, Md. (Apr. 4, 1910.)	Making observations on corn stored in elevators for experiments.	2.15	Do.
Do.....	do.....	Baltimore, Md. (May 14, 1910.)	do.....	2.50	Do.
Billings, George A.....	Assistant agriculturist.....	Chicago, Ill.; Waukesha, Madison, Lake Mills, Fort Atkinson, Okonoko, Racine, Menominee, Rose-dale, Fond du Lac, Wis., and Dayton, Ohio. (July 1-Sept. 16, 1909.)	Continuation of season's work in securing information for formulating cropping systems and determining relation of local conditions to management and practices of dairy farms.	120.03	General expenses, B. P. I., 1910. (Farm management.)
Do.....	do.....	Penlynn, Schaefferstown and vicinity, Pa.; Bordentown, Plainsboro, Jamesburg, New Brunswick and Princeton, N. J. (Nov. 3-13, 1909.)	To study farm management problems and obtain information for publication.	32.83	Do.
Do.....	do.....	Asbury Park, South River, New Brunswick, Plainfield, Bound Brook, New Market, and Trenton, N. J.; Easton, Stroudsburg, Plainsboro, Cranbury, and Kingsley, Pa. (Dec. 6-15, 1909.)	To inaugurate cooperative work; study, and assist in planning cropping systems on dairy farms, and investigate other problems of farm management.	37.96	Do.

*Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.*

BUREAU OF PLANT INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Billings, George A.....	Assistant agriculturist..	Philadelphia, Pa.; Freehold, Jamesburg, Woodstown, Vineland, Cape May, Trenton, and New Brunswick, N. Y. (Jan. 25-Feb. 2, 1910.)	To study the effect on farm management of the establishment of farmers' cooperative associations, and discuss the subject at a public meeting in Cape May at the request of the farmers of that vicinity; and to establish demonstration work in farm management.	\$49.31	General expenses, B. P. I., 1910. (Farm management.)
Do.....	do.....	Elwood, Bridgeton, New Market, Stewartsville, N. J.; New York City; Downingtown, Easton, Smithfield, New Milan, Sayre, Philadelphia, Pa.; and Wellsburg, N. Y. (Mar. 6-16, 1910.)	To confer with farmers who had solicited cooperative work in farm management and assistance in the study of special types of soil.	60.26	Do.
Do.....	do.....	Palermo, Ocean City, Plainsboro, Trenton, Whitehouse, and farms through Cape May County, N. J.; Philadelphia, and farms in adjacent counties. (Apr. 1-10, 1910.)	To visit farms cooperating in demonstration work; deliver address on farm management at evening sessions of the School Teachers' Association at Cape May C. H. and Pomona Grange, and inaugurate new demonstration work, etc.	47.29	Do.
Do.....	do.....	Carlisle, Easton, Tunkhannock, Milan, Pa.; Atlantic City, Ocean City, Bridgeton, Vineland, Hammon-ton, Farmingdale, Freehold, Jamesburg, Plainsboro, and Stewartsville, N. J. (Apr. 18-May 6, 1910.)	To put into effect better farm plans at the Indian school; to study cropping and other systems of farm management; confer with cooperators and inaugurate further cooperative work in farm management.	91.62	Do.
Do.....	do.....	Schellburg, Pa., and adjacent points. (May 5-22, 1910.)	To study farm conditions and inaugurate demonstration work in the most approved methods of farms in connection with farm management investigations.	38.71	Do.
Do.....	do.....	Philadelphia and adjacent points in Pennsylvania; Plainsboro, Trenton and vicinity, N. J. (June 16-30, 1910.)	do.....	74.12	Do.
Bissett, Peter.....	Expert.....	Jacksonville, Glen St. Mary, Brooksville, Fla.; New Orleans, New Iberia, La.; Houston, Brownsville, San Antonio, Tex.; Yuma, Ariz.; Los Angeles, Santa Barbara, Chico, San Francisco, San Jose, Stockton, and other points in California; Portland, Ore.; Tacoma, Seattle, Bellingham, North Yakima, Spokane, Wash.; Minneapolis, Minn.; Ames, Iowa, and Chicago, Ill. (Feb. 1-Apr. 23, 1910.)	To confer with officials of the B. P. I. at various gardens and experiment stations, respecting their facilities for propagating and testing foreign seeds and plants, and with growers and collaborators relative to testing and determining the economic value, locations, and general conditions for cultivation, and the possibilities of developing industries with the various plants introduced into the United States, etc.	467.05	Purchase and distribution of valuable seeds, 1910. (Foreign Seed and Plant Introduction.)
				193.05	Purchase and distribution of valuable seeds, 1910. (Congressional seed distribution.)



Boerner, Emil G.....	Assistant in grain standardization.	Baltimore, Md. (Feb. 3, 1910.)	To confer with officers in charge of the Baltimore laboratory; and with steamship companies regarding export shipments of grain. To secure apparatus for special corn investigations.	2. 00	General expenses, B. P. I., 1910. (Grain standardization.)
Do.....	do.....	Baltimore, Md. (Feb. 24, 1910.)		1. 65	Do.
Do.....	do.....	New Orleans, La.; Norfolk, Va.; Copenhagen, Aarhus, Denmark; Hamburg, Germany; London, England, and New York City. (Feb. 20-May 10, 1910.)	To accompany shipment of corn for the purpose of examining en route to determine causes of deterioration of grain in transit; and other investigations, observations, and conferences necessary in the work of grain standardization.	446. 40	Do.
Do.....	do.....	St. Louis, Kansas City, Mo.; Fargo, N. Dak.; and Minneapolis, Minn. (June 8-25, 1910.)	To confer with the Bureau of Plant Industry officials, cooperators, millers, and others; to study methods of harvesting, marketing, and grading grain, and arrange for experiment work in connection with the investigations being conducted by the office of grain standardization.	170. 66	Do.
Brackett, G. B.....	Pomologist in charge of pomological collections.	Augusta and Athens, Ga. (Aug. 2-6, 1909.)	To address the State Horticultural Society on the "Possibility of apple growing in Northern Georgia," inspecting orchards to determine varieties of apples and peaches best adapted to that section; and investigating conditions with a view of extending the fruit industry in that State.	49. 24	General expenses, B. P. I., 1910. (Pomological investigation.)
Brand, Charles J.....	Physiologist.....	Chicago, Ill.; Minneapolis, St. Paul, St. Anthony Park, Excelsior, Duluth, Albert Lea, Shakopee, Minn.; Jackson, Williston, Lidgerwood, Wahpeton, Jamestown, Sanborn, Dickenson, Almont, Beach, and White Earth, N. Dak. (Aug. 7-Sept. 18, 1909.)	To make observations in connection with the life history studies of alfalfa, giving particular attention to the seed production of the Grimm variety, with a view to safeguarding northwestern farmers in purchasing seed.	406. 28	General expenses, B. P. I., 1910. (Crop physiology.)
Do.....	do.....	Portland, Me. (Nov. 21-24, 1909.)	To inspect paper making machinery, and arrange future work in paper plant investigation.	46. 10	General expenses, B. P. I., 1910. (Paper plant investigation.)
Do.....	do.....	Portland, Me. (Dec. 9-16, 1909.)	To confer with officials at Cumberland paper mills and superintendent the extraction and chemical treatment of corn and broom corn fiber for paper making; testing machinery, and preparing pulp; and other details connected with paper plant investigations.	74. 90	Do.
Do.....	do.....	New York City. (Feb. 22-23, 1910.)	To examine cotton classing rooms and obtain information necessary for the construction of such a room in Washington.	16. 79	General expenses, B. P. I., 1910. (Cotton standardization.)
Do.....	do.....	Boston, Mass.; Portland, Me., and vicinity. (Apr. 13-30, 1910.)	Testing and supervising the adjustment of machinery; making and examining pulp; and other work necessary in paper making; and conferring with authorities regarding present and future work.	113. 05	General expenses, B. P. I., 1910. (Paper plant investigation.)
Do.....	do.....	Boston, Mass.; Portland, Me., and vicinity. (May 30-June 30, 1910.)	do.....	108. 05	Do.

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## BUREAU OF PLANT INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Briggs, Lyman J.....	Physicist.....	Akron, Denver, Col.; Salt Lake City, Utah; Fallon, Nev.; San Francisco, Cal.; Klamath Falls, Oreg.; Cheyenne, Wyo., and North Platte, Nebr. (Aug. 2-31, 1909.)	For the purpose of determining the environmental factors of crop production, and their modifications in order to give maximum yields; and investigate relation of such factors to plant nutrition and to the development of fungus and other plant diseases, etc.	\$258.90	General expenses, B. P. I., 1910. (Western agricultural extension.)
Do.....	do.....	Billings and Huntley, Mont. (Oct. 23-Nov. 1, 1909.)	To attend the Dry Farming Congress; and confer with officials and authorities relative to cooperative dry farming; and to inspect experimental work in that vicinity.	159.75	General expenses, B. P. I., 1910. (Physical investigation.)
Do.....	do.....	Philadelphia, Pa. (Feb. 25-26, 1910.)	To inspect electrical apparatus and equipment, and confer with instrument manufacturers.	17.45	Do.
Brodie, David A.....	Agriculturist.....	Centralia, Tacoma, Puyallup, Bellingham, Seattle, Walla Walla, Wash.; Portland, Corvallis, Halsey, Woodburn and Milton, Oreg. (July 1-Aug. 8, 1909.)	Continuation of the season's work in looking after the agricultural survey of Whatcom County, Wash.; studying vetches and other winter crops with a view to their introduction in the South; and confer with authorities concerning seed supplies, transportation and other matters in connection with this project.	97.45	General expenses, B. P. I., 1910. (Farm management.)
Do.....	do.....	Reckertown, Va. (Aug. 14, 1909).....	To inspect work on cooperative farms.....	3.16	Do.
Do.....	do.....	Mount Gilead, N. C.; Columbia, S. C., and Augusta, Ga. (Aug. 15-21, 1909.)	To locate, and formulate plans for the establishment of a farm school for destitute boys of North Carolina; confer with district field men relative to farm management problems; and to interview vetch growers regarding the production, marketing, and purchase of seed.	65.74	Do.
Do.....	do.....	Charlotte, N. C. (Aug. 31-Sept. 2, 1909.)	To deliver an address on diversified farming before the county agricultural association.	29.95	Do.
Do.....	do.....	Charlestown, W. Va. (Sept. 2-3, 1909.)	To give instructions in methods of studying farm management problems.	13.35	Do.
Do.....	do.....	Bristol, Mountain City, Greenville, Knoxville, Morristown, Elizabethton, Erwin, Jonesboro, Sneedville, Rogersville, Newport, Rutledge, Johnson City, Tazewell, Sevierville, Dandridge, Maryville, and London, Tenn. (Sept. 4-25, 1909.)	To assist with a series of farmers' institutes and give instructions in methods of farm management and practice.	79.08	Do.



Do.....do.....	Knoxville, Maryville, Clinton, Jacks- boro, Maynardville, and Vasper, Tenn. (Sept. 22-Oct. 4, 1909.)	63.38	Do.
Do.....do.....	Rectortown, Va. (Oct. 11, 1909.)	2.66	Do.
Do.....do.....	Frederick, Md. (Oct. 21, 1909.)	4.10	Do.
Do.....do.....	Hampton, Va. (Oct. 29-31, 1909.)	13.65	Do.
Do.....do.....	Waldorf, Md. (Nov. 15-18, 1909.)	3.44	Do.
Do.....do.....	Winesap, Va.; Johnson City, Tenn., and other points in Virginia, Tennes- see, and North Carolina. (Dec. 12-18, 1909.)	29.58	Do.
Do.....do.....	Newport News, Va. (Dec. 20-22, 1909.)	19.53	Do.
Do.....do.....	Waldorf, Md. (Dec. 30, 1909.)	2.94	Do.
Do.....do.....	Hampton, Va. (Feb. 8-12, 1910.)	10.60	Do.
Do.....do.....	Hickory, Salisbury, N. C., and Mont- gomery, Ala. (Feb. 22-28, 1910.)	64.15	Do.
Do.....do.....	Columbia, Mo.; Greenville, Miss.; Little Rock, Ark.; Fort Worth, Smithfield, Cleburne, Roller, San Saba, Lometa, Dallas, and Austin, Tex. (Mar. 6-31, 1910.)	243.70	Do.
Do.....do.....	Rectortown and Hampton, Va. (2 trips.) (May 13-25, 1910.)	11.21	Do.
Do.....do.....	Columbia and adjacent points in South Carolina. (May 26-30, 1910.)	40.05	Do.
Do.....do.....	St. Louis, Mo.; Memphis, Tenn.; Greenwood, Vicksburg, Insmore, Natchez, Beulah, and Grenada, Miss.; Ferriday, Baton Rouge, Jen- nings and Breaux Bridge, La. (June 10-30, 1910.)	115.75	Do.

.....do.....  
To give advice concerning cooperative work  
being carried on at that point.  
To secure information regarding the condition  
of the crops in that section, and to study farm  
exhibits at the fair.  
To assist in planning cropping systems for the  
school farm; and address the students on  
methods of farm management.  
To confer with the faculty of Hampton Insti-  
tute relative to plans for Waldorf farm.  
To plan cropping systems for cooperators and  
to join an agricultural institute train on the  
C. C. & O. Ry. in a tour of their line, for the  
purpose of studying the agricultural possi-  
bilities of that section and holding farmers'  
meetings.  
To attend a farmers' institute and inspect coop-  
erative work.  
To assist the faculty of Hampton Institute in  
outlining farm plans.  
To attend the Farmers' Congress and deliver a  
lecture and act as corn judge and assist the  
authorities of Hampton Institute in formu-  
lating plans for the management of the Insti-  
tute farm.  
To deliver a lecture at a farmers' institute; to  
assist in formulating plans for conducting the  
Calhoun Industrial Farm and look after the  
demonstration work in farm management.  
To confer with bureau field men and authori-  
ties of State experiment stations and inspect  
cooperative work, etc.

.....do.....  
To inspect cooperative demonstration work.

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## BUREAU OF PLANT INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Brown, Edgar.....	Botanist in charge of seed laboratory.	Chicago, Ill.; Minneapolis, Minn.; Fargo, N. Dak.; Bozeman, Mont.; Spokane, Pullman, Ellensburg, Seattle, Wash.; Portland, Corvallis, Oreg.; Berkeley, San Francisco, Cal.; Ogden, Logan, Salt Lake City, Utah; Denver, Fort Collins, Colo.; Lincoln, Neb.; Columbia and St. Louis, Mo. (Sept. 1-Oct. 24, 1909.)	To demonstrate the work of the seed-testing laboratories at the meeting of the Minneapolis Agricultural Society; to consult with officials of State agricultural experiment stations relative to appointment of collaborators in connection with the work of adulterated seed investigations as prescribed by law; to establish a cooperative seed laboratory at Corvallis; obtain information relative to quality of commercial agricultural seeds, and inspect the work of the cooperative seed-testing laboratories on line of travel.	\$298.70	General expenses, B. P. I., 1910. (Seed-testing laboratories.)
Do.....	do.....	Boston, Mass. (Dec. 27-30, 1909.)	To attend the meeting of the association of official seed analysts; to confer with agricultural experiment station authorities concerning the adaptation of uniform methods for testing seeds, and consult manufacturers regarding the construction of seed-testing apparatus.	40.36	Do.
Do.....	do.....	Lafayette, Ind.; Chicago, Ill.; Lincoln, Neb.; Columbia, Mo. (Feb. 13-21, 1910.)	To supervise the installation of a branch laboratory at Lafayette; inspect branch seed-testing laboratories, and confer with seed men relative to pure seed investigation.	102.40	Do.
Do.....	do.....	Raleigh, N. C. (Apr. 6, 7, 1910.)	To supervise the installation of a branch seed-testing laboratory in cooperation with the North Carolina Department of Agriculture.	25.25	Do.
Brown, Ernest B.....	Assistant physiologist..	Waco, Brownsville, San Antonio, and other points in Texas; Lake Providence, Ferriday, New Orleans, La.; Jackson, Pachuta, and Meridian, Miss. (Aug. 6-Oct. 3, 1909.)	For the purpose of selecting seed corn, harvesting and weighing yields, examining and making notes on varietal test plats and obtaining general information regarding strains and varieties of corn being bred and tested, and instituting new experiments and investigations through the South.	349.10	General expenses, B. P. I., 1910. (Grain investigations.)
Do.....	do.....	Westminster, Md.; Round Hill and McLean, Va. (Oct. 11-28, 1909.)	To harvest experimental plats of corn.....	32.45	Do.
Do.....	do.....	Murfreesboro, Tenn.; Natchez, Miss.; Ferriday, Opelousas, Alexandria, Shreveport, New Orleans, Baton Rouge, La.; Dallas, Waco, Brownsville, San Antonio, Sherman, Marshall, and other points in Texas and Louisiana. (Jan. 8-Apr. 22, 1910.)	Conferring with experiment station officials, growers, and others relative to new cooperative work in the production of higher yielding strains of corn by methods of breeding, seed selection and preservation, crop rotation, use of cover crops, etc.	480.67	Do.



Do.....	do.....	Lorton Valley, Springfield, Fairfax, Va.; Pike Crossing, Md., and adjacent points. (May 6-June 3, 1910.)	To locate and plant experimental plats of sweet corn and confer with farmers, etc.	19.65	Do.
Do.....	do.....	Alexandria, Derwood, Lorton, Occoquan and Mount Vernon, Va. (June 9-30, 1910.)	For the purpose of purchasing and distributing fertilizers, thinning experimental corn, and arranging for shipment.	7.90	Do.
Buck, J. Etua.....	Expert.....	Rocky Mount and Enfield, N. C. (Aug. 23-25, 1909.)	To inspect cooperative experiments in viticulture; making notes, and photographs of pruning experiments.	22.15	General expenses, B.P.I., 1910. (Pomological investigations.)
Burkett, Frances.....	Laboratory aid in seed testing.	Columbia, Mo.; Lafayette, Ind (Feb. 10-June 29, 1910.)	To assist in making mechanical purity tests of samples of seed.	118.90	General expenses, B.P.I., 1910. (Seed-testing laboratories.)
Burritt, Maurice C.....	Scientific assistant.....	Buffalo, Ithaca, Binghamton, Westbury, Lyons Falls, Owego, New Lebanon, Newburgh, Rochester, Syracuse, and other points in New York; Bantam, Conn.; Burlington, Grand Isle, Vt.; Milford, N. H., and Boston, Mass. (July 1-Nov. 15, 1909.)	Continuation of season's work in studying farm practices, and assisting farmers in planning cropping systems and improving their methods of farm management.	441.98	General expenses, B.P.I., 1910. (Farm management.)
Do.....	do.....	Rochester, Albany, and Canandaigua, N. Y. (Jan. 6-31, 1910.)	To study farm practices and assist farmers in adopting more improved systems of management, and to inaugurate demonstration work in such systems.	53.54	Do.
Do.....	do.....	New York City, Pine Plains, Albany, and Ithaca, N. Y. (Feb. 4-23, 1910.)	do.....	43.25	Do.
Do.....	do.....	North Rose, Penfield, Sodus, Binghamton, Syracuse, Penn Yan, Plattsburg, Mayville, Ashville, Hilton, Owego, Wyoming, Ithaca, Rheinbeck, Stuyvesant Falls, Trumansburg, Rochester, N. Y.; North East, Meadville, and McKean, Pa. (Apr. 12-June 30, 1910.)	do.....	330.92	Do.
Carlton, Mark A.....	Cerealist in charge of grain investigation.	Dahart, Amarillo, Tex.; Spokane, Wash.; Portland, Oreg.; Victoria, Vancouver, B. C.; Calgary, Edmonton, Alberta, Regina, Sask., Winnipeg, Manitoba, and farms adjacent to those points in Canada; Minneapolis, Minn., and Chicago, Ill. (Aug. 3-Sept. 3, 1909.)	To inspect experimental farms, confer with cooperators, arrange for new grain experiments, confer with shippers in regard to export wheat and with grain dealers and millers concerning handling and marketing of grain and flour, and studying conditions of grain productions, especially wheat in Canada.	291.10	General expenses, B.P.I., 1910. (Grain investigation.)
Do.....	do.....	Manhattan, Kansas City, Kang; Oklahoma City; Albuquerque, Mountain Air, Escalante, N. Mex.; Amarillo, Dalhart, Tex.; Denver, Colo.; Billings, Mont.; Omaha and Lincoln, Nebr. (Oct. 3-Nov. 3, 1909.)	For the purpose of consulting with officials in agricultural experiment stations, grain dealers, millers, and farm cooperators in the interest of grain production and future experimental work, and investigating crop conditions, etc.	291.36	Do.
Do.....	do.....	Charleston, Jacksonboro, White Hall and vicinity, S. C. (May 28-Apr. 2, 1910.)	To confer with the South Carolina Rice Association and others relative to the cultivation of rice; and to investigate conditions and inspect experimental plantings.	55.90	Do.

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.

## BUREAU OF PLANT INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Carlton, Mark A.....	Cerealist in charge of grain investigation.	Chicago, Ill.; Dalhart, Amarillo, Herford, Tex.; Nara Visa, Tucumcari, N. Mex.; Lincoln, Neb.; Oklahoma City, Sapulpa, Okla.; Fayetteville, Ark. (May 11-28, 1910.)	To inspect experimental grain farms, confer with station officials relative to cooperative work and with grain dealers and millers concerning grain production and marketing, and investigating general grain crop conditions.	\$190.06	General expenses, B. P. I., 1910. (Grain investigation.)
Do.....	do.....	Minneapolis, Minn.; Chicago, Ill.; Manhattan, Garden City, Kans.	do.....	81.85	Do.
Cates, Junius S.....	Assistant agriculturist...	Mebane, Raleigh, N. C.; Beaumont, College Station, Dallas, Sherman, Denison, Houston, Tex., and New Orleans, La. (July 18-Aug. 23, 1909.)	To carry on studies in farm practices in methods of tillage and the eradication and control of weeds and to confer with experiment station, State officials, and others regarding the work.	189.65	General expenses, B. P. I., 1910. (Farm management.)
Do.....	do.....	Graham and Raleigh, N. C. (Sept. 2-20, 1909.)	To study methods of controlling and eradicating wild onions; confer with officials of the North Carolina Experiment Station and State Department of Agriculture with reference to tillage investigations.	52.45	Do.
Do.....	do.....	Boston, Mass.; Ithaca, White Plains and vicinity, N. Y. (Oct. 24-31, 1909.)	To study methods of exterminating troublesome weeds and grasses.	69.72	Do.
Do.....	do.....	Pembroke, Ky.; Mebane and vicinity, N. C. (Nov. 11-21, 1909.)	do.....	72.85	Do.
Do.....	do.....	Raleigh and points throughout Alamance County, N. C. (Feb. 23-27, 1910.)	To conduct experiments in the eradication of wild onions, and investigate systems of farm management with reference to weed problems and tillage.	38.30	Do.
Do.....	do.....	Raleigh, Mebane, and Graham, N. C. (Apr. 28-May 2, 1910.)	do.....	35.35	Do.
Do.....	do.....	Norfolk, Williamsburg, and Fredericksburg, Va. (May 16-18, 1910.)	do.....	23.20	Do.
Do.....	do.....	Colonial Beach, Mathias Point, Va., and Popes Creek, Md. (June 21-25, 1910.)	do.....	15.30	Do.
Chanbliss, Charles E.....	Expert in charge of rice investigations.	Charleston, Jacksonboro, S. C.; Crowley, New Orleans, La.; Beaumont, Tex.; San Francisco, Sacramento, Biggs, Cal.; Portland, Oreg.; Seattle, Wash.; Logan, Nephi, Utah; Akron, Denver, Colo.; McPherson, Kans.; Lenoke, Stuttgart, Ark., and Knoxville, Tenn. (July 17-Sept. 17, 1909.)	To arrange necessary details for the construction of laboratories, inspect experimental plots, investigate rice diseases in the South, inspect mills and confer with parties interested in the introduction of rice on the Pacific coast, and investigate and take notes on irrigation plots, etc.	414.87	General expenses, B. P. I., 1910. (Grain investigation.)



Do.....do.....	Biggs, Sacramento, Stockton, San Francisco, Los Angeles, Cal.; Houston, Bay City, Beaumont, Tex.; Crowley and New Orleans, La. (Oct. 9-Nov. 14, 1909.)	Harvesting rice of the experimental plats on the Angus ranch at Biggs, conferences and studies relative to adaptability of rice to the soil and climate of the Sacramento Valley, inspecting and arranging further experimental cooperative work, and interviewing millers, brokers, seed men and others relative to rice investigations.	295. 94	Do.
Do.....do.....	Crowley, La.; Beaumont, Tex.; Hanford, Sacramento, Chico, Red Bluff, Willows, Biggs, Vacaville, Stockton, San Francisco, Los Angeles, Cal.; Charleston White Hall, Jacksonboro, S. C.; Miami, Fort Lauderdale, Fla. (Feb. 27-Apr. 26, 1910.)	Conferring with parties seeking information regarding cultivation of rice as a commercial crop on the Pacific coast and Everglades of the South; arranging experimental plats; studying drainage problems; treating rice plants for "rotten neck" diseases, etc.	589. 22	Do.
Do.....do.....	Charleston, Jacksonboro, Monks Corner, and White Hall, S. C. (June 12-29, 1910.)	To study experimental and other rice crops for the control of "rotten neck" diseases and confer with planters and millers on subjects relating to rice investigations.	73. 08	Do.
Chase, Agnes.....	Scientific assistant in systematic agrostology.	To collect and study grasses for use in the preparation of a manual on North American grasses.	308. 07	General expenses, B. P. I., 1910. (Taxonomic and range investigation.)
Chilcote, Ellery C.....	Agriculturist in charge of dry land agriculture.	To attend meeting of the Cooperative Experiment Association of the Great Plains area, and consult with officials of the department and State experiment stations concerning cooperative work in the semiarid regions; arrange for the establishment of a station in Nebraska, and inspect work pertaining to dry farming, etc.	226. 45	General expenses, B. P. I., 1910. (Dry land agriculture.)
Do.....do.....	Billings, Mont. (Oct. 23-Nov. 1, 1909.)	To attend the Dry Farming Congress and consult officials and others interested in the development of dry-land agriculture, and to inspect the irrigation project and station experiments.	155. 25	Do.
Do.....do.....	Hays, Kans.; Akron, Denver, Colo.; Amarillo and Dalhart, Tex., and Yuma, Ariz. (June 19-30, 1910.)	To inspect work being carried on by the office of dry-land agriculture in crop rotation and other methods of cultivation in the Great Plains area.	212. 53	Do.
Clawson, Arthur B.....	Physiologist.....	Continuation and completion of season's work in poisonous plant investigation.	63. 90	General expenses, B. P. I., 1910. (Drug and other plants.)
Cobb, Nathan A.....	Agricultural Technologist in charge of crop technology.	To make investigations concerning the manufacture of paper from corn stalks, and visit the New York Cotton Exchange with reference to cotton standardization.	19. 25	General expenses, B. P. I., 1910. (Paper plant investigation.)
			27. 35	General expenses, B. P. I., 1910. (Cotton standardization.)

*Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.*

## BUREAU OF PLANT INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Cobb, Nathan A .....	Agricultural Technologist in charge of crop technology.	New York City, Boston, Mass. (Aug. 25-27, 1909.)	To make investigations in connection with paper plant work and cotton standardization.	\$14.17	General expenses B. P. I., 1910. (Paper plant investigation.)
Do.....	do.....	New York City, Boston, Mass., and Portland, Me. (Nov. 21-23, 1909.)	To inspect paper-making machinery and other work in connection with paper-plant investigations.	14.18	General expenses B. P. I., 1910. (Cotton standardization.)
Do.....	do.....	Boston, Mass. (Apr. 26-30, 1910.)	To attend a cotton exposition in order to perfect plans for the vacuum storage of cotton grades.	27.00	General expenses B. P. I., 1910. (Paper plant investigation.)
Collins, Guy N.....	Assistant botanist.....	San Antonio, Victoria, Beeville, Taft, Fallurrias, and Waco, Tex. (June 6-23, 1910.)	To inspect experiments in the acclimatization and breeding of cotton and corn.	43.53	General expenses B. P. I., 1910. (Cotton standardization.)
Cook, Orator F.....	Botanist in charge of crop acclimatization.	San Antonio, Moore, New Braunfels, and Waco, Tex.; Yuma, Somerton, and Sacaton, Ariz., and Los Angeles, Cal. (July 14-Aug. 22, 1909.)	To inspect and study experiments in the acclimatization, adaptation, and breeding of cotton, especially the Egyptian variety.	181.77	General expenses B. P. I., 1910. (Crop acclimatization.)
Do.....	do.....	Lamar, Asheville, N. C.; Jackson, Tenn.; Clarendon, Ark.; Shreveport, La.; Palestine, San Antonio, Fallurrias, and Del Rio, Tex.; Yuma and Somerton, Ariz.; Los Angeles, El Centro, and Brawley, Cal. (Sept. 13-Nov. 9, 1909.)	do.....	204.03	Do.
Do.....	do.....	New York City to Naples, Italy; Cairo, Gizeh, Beni Suef, Tantah, and Barage, Egypt; Haifa, Tiberias, Rosch Pinah, Banias, Medschel, Esneus, Arne, and El Hadr, Syria. (Apr. 27-June 30, 1910.)	To investigate Egyptian and other varieties of cotton under native conditions, and secure desirable varieties of crop plants, especially those cultivated in the cotton-growing districts, and make selection of wild wheats to illustrate the diversity of the species with a view to the possibility of acclimatization and adaptation of new varieties in the United States.	634.10	Do.
Corbett, Lee C.....	Horticulturist in charge of Arlington farm and horticulture.	Syracuse and vicinity, Buffalo, N. Y.; Toronto and Guelph, Canada. (Aug. 11-14, 1909.)	To visit Canadian experiment stations and inspect cabbage fields.	37.37	General expenses B. P. I., 1910. (Arlington farm and horticulture.)
Do.....	do.....	Mountain Lake Park, Md. (Aug. 30-31, 1909.)	To inspect and make suggestions regarding trees on the grounds of the Mountain Lake Park Chautauqua.	11.90	Do.

Do.....	do.....	Denver, Fort Collins, Greeley, Colo.; Seattle, Puyallup, Mount Vernon, La Cramer, Bellingham, Wash.; Portland, Hood River, Oreg.; Stockton, Middle River, San Francisco, Berkeley, San Jose, Santa Barbara, Ventura, Los Angeles, and Santa Ana, Cal. (Sept. 9-Oct. 18, 1909.)	To inspect the bulb work and bean industry; to study and take notes on the growing of cabbage, cauliflower, and potatoes.	327. 26	Do.
Do.....	do.....	Marlinsburg, W. Va. (Nov. 3-4, 1909.)	To attend the Fruit Growers' Convention.....	6. 31	Do.
Do.....	do.....	Fortress Monroe and Norfolk, Va. (Nov. 15-18, 1909.)	To inspect ground and assist in making lawns, and attend a meeting of the board of directors of the truck experiment station.	14. 05	Do.
Do.....	do.....	Valley Forge, Pa. (Nov. 19-20, 1909.)	To conduct investigations in the handling, planting, and care of shade and ornamental trees.	12. 54	Do.
Do.....	do.....	Keyser, W. Va. (Nov. 27, 1909.)	To address meeting of the West Virginia Horticultural Society.	12. 85	Do.
Do.....	do.....	Ithaca, Rochester, Lyons, Watkins, N. Y., and Detroit, Mich. (Jan. 23-29, 1910.)	To secure data concerning the handling of ice for use on the farm; to attend the Bean Growers' Association and investigate the bean growing industry.	60. 65	Do.
Do.....	do.....	Boston, Mass. (Mar. 17-19, 1910.)	To inspect grounds of the Boston navy yard, and assist in making plans for planting and improving these grounds.	37. 55	Do.
Do.....	do.....	New York City. (Apr. 25-26, 1910.)	To confer with United States Assistant Attorney-General in regard to the classification of hyacinths and other bulbs in the new tariff act.	16. 80	Do.
Do.....	do.....	New York City. (May 3-4, 1910.)	do.....	20. 05	Do.
Do.....	do.....	Indian Head, Md. (May 14, 1910.)	To assist officers in charge of the rifle range in outlining plans for the beautification of their grounds.	1. 55	Do.
Do.....	do.....	New York City; Brooklyn and Garden City, L. I. (May 18-19, 1910.)	To inspect gardens and trucking industries, and assist in planning grounds of the Brooklyn Navy Yard.	19. 47	Do.
Do.....	do.....	Norfolk, Va. (June 16-18, 1910.)	Inspect the truck crop situation and cooperative work at the Virginia Truck Experiment Station.	18. 55	Do.
Do.....	do.....	Watkins, Geneva, Tully, N. Y.; Forest Hills, Mass. (June 19-26, 1910.)	To study market garden conditions in that section in connection with horticultural investigations.	56. 09	Do.
Cotton, John S.....	Assistant agriculturist.....	Boston, Mass.; Waterville, Me.; Woodstock, Vt.; Milford, N. H.; Albany, Ithaca, N. Y.; Toronto, London, Ont.; Flitsburg, Pa., and adjacent points on line of travel. (July 4-Sept. 7, 1909.)	To carry on investigations of farm practices in the growing of forage for sheep, beef cattle, horses, and hogs, and studying the best cropping systems used for that purpose.	305. 93	General expenses B. P. I. 1910. (Farm management.)
Do.....	do.....	Boston, Mass.; Portland, Augusta, Norway, West Minot, Sanford, Guilford, Columbia Falls, Orono, Me. (Jan. 8-30, 1910.)	do.....	116. 81	Do.



Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.

## BUREAU OF PLANT INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Cotton, John S. ....	Assistant agriculturist.	Manhattan, Kans.; Wakefield, Omaha, Central City, Nebr.; Jefferson, Des Moines, Iowa; Warrensburg, Ill.; Fayette, Rensselaer, Fowler, Monticello, Petersburg, Ind.; Columbus and Jordan, Ohio. (Mar. 2-Apr. 2, 1910.)	To investigate systems of farm management in the production of beef cattle.	\$224.82	General expenses, B. P. I., 1910. (Farm management.)
Do. ....	do. ....	Easton, Centerville, Chestertown, Md. (May 3-7, 1910.)	To investigate farm practices in sheep raising in cooperation with the Bureau of Animal Industry.	22.65	Do.
Do. ....	do. ....	Rectortown, Va. (May 13, 1910.)	For conferences regarding demonstration work in farm management.	3.10	Do.
Do. ....	do. ....	Burnt Hills, Boston, Mass.; Portland, Me., and other points in States named and points in Nova Scotia and New Brunswick. (May 28-June 30, 1910.)	To investigate farm practices and management of sheep raising and care and management of pastures and conifer with agricultural experiment-station officials concerning pasturage problems.	187.02	Do.
Coville, Frederick V. ....	Botanist in charge of taxonomic and range investigations.	Asheville and Linville Falls, N. C. (July 30-Aug. 30, 1909.)	To study the natural conditions of growth of <i>Vaccinium pallidum</i> ; to select large fruiting plants and procure seeds and cuttings.	72.35	Do.
Do. ....	do. ....	Kingston, R. I.; Hingham, Mass.; Greenville, N. H.; Boston, Wareham, and Concord, Mass. (Aug. 20-Sept. 13, 1909.)	To investigate conditions for cultivating and marketing blueberries; securing propagating material and starting new experiments.	58.54	Do.
Do. ....	do. ....	Gembloux, Genck, Baraque, Mechel, Dothain, Bruges, Belgium; London, Kew, Brasted, England; Hannover, Hildesheim, Goslar, Thale, Leipzig, Dresden, Lambegast, Schwepnitz, Bremen, Weener, Germany. (Apr. 20-June 30, 1910.)	To secure information regarding culture of blueberries and Ericaceous plants, particularly the methods of growing azaleas, heaths, and rhododendrons.	143.16	General expenses, B. P. I., 1910. (Taxonomic and range investigations.)
Cox, John H. ....	Assistant in grain standardization.	Baltimore, Md. (Dec. 21, 1909-Feb. 18, 1910; 5 trips aggregating 27 days.)	To assist in corn-storage experiments and other work in the Baltimore Grain Standardization Laboratory.	46.37	General expenses, B. P. I., 1910. (Grain standardization.)
Do. ....	do. ....	Baltimore, Md.; Bremerhaven, Hamburg, Kiel, Korsor, Bremen, Germany; Copenhagen, Aarhus, Aalborg, Denmark, and New York City. (Mar. 12-May 4, 1910.)	For the purpose of making examinations of corn by moisture tests, etc., while en route and at destination, in order to determine the causes of deterioration of corn in holds of steamships during transit from the United States to European ports.	335.25	Do.

Cox, Herbert R.	Scientific assistant.	To study the eradication and control of weeds and troublesome grasses and visit experiment station and State officials, private individuals, and growers concerning weed and tillage problems.	265.53	General expenses, B. P. I., 1910. (Farm management.)
Do.	do.	To study weed eradication and tillage problems.	16.52	Do.
Do.	do.	do.	214.06	Do.
Do.	do.	To study methods of weed eradication, particularly in alfalfa fields.	14.40	Do.
Cron, Alexander B.	Assistant.	To assist with work of grain standardization laboratory.	23.30	General expenses, B. P. I., 1910. (Grain standardization.)
Do.	do.	To inspect alfalfa cooperative experiments.	39.87	Purchase and distribution valuable seeds, 1910. (Forage crop investigations.)
Do.	do.	To inspect alfalfa conditions and establish new experiments.	10.00	Do.
Do.	do.	do.	23.03	Do.
Do.	do.	do.	28.05	Do.
Do.	do.	To inspect cooperative seed plats of alfalfa.	190.87	Purchase and distribution of valuable seeds, 1910. (Congressional seed distribution.)
Do.	do.	do.	132.45	Purchase and distribution of valuable seeds, 1910. (Forage crop investigation.)
Do.	do.	To inspect and take notes on cooperative alfalfa experiments and demonstrations to determine results of the work, and study conditions for further experiments.	81.35	Do.
<p>Wooster, Dayton, Lebanon, Cleveland, Ohio; Cynthia, Louisville, Lexington, Ky.; Fairfield, Champaign, Bloomington, Chicago, Ill.; Waukegan, Madison, Eau Claire, Wis.; Minneapolis, Minn.; Charles City, Des Moines, Council Bluffs, Iowa; St. Louis, Mo.; Vincennes, Lyons, Indianapolis, Ind.; Lansing, Detroit, Mich., and other points in States named. (July 19-Sept. 15, 1909.)</p> <p>Harpers Ferry, Charleston, Martinsburg, W. Va.; Winchester and Berryville, Va. (Oct. 6-9, 1909.)</p> <p>Canton, Wooster, Columbus, Ohio; North East, Pa.; Hilton, Rochester, Ithaca, N. Y.; Boston, Mass.; Concord, N. H.; Kennebunk, Me.; White River Junction, Vt.; Newport, Jamestown, R. I.; Morristown, N. J., and other points in the New England States. (Apr. 8-May 29, 1910.)</p> <p>Colonial Beach, Mathias Point, Va., and Popes Creek, Md. (June 1-23, 1910.)</p> <p>Baltimore, Md. (July 6-13, 1909.)</p> <p>Easton, Ridgely, Chestertown, Salisbury, Princess Anne, Pocomoke, Hurluck, Md., and Clayton, Del. (Aug. 22-27, 1909.)</p> <p>Port Conway, Va. (Sept. 2-4, 1909.)</p> <p>Frederick, Middletown, Hagerstown, Brunswick, Westminster, and Baltimore, Md. (Sept. 20-24, 1909.)</p> <p>Port Conway, Fredericksburg, Woodlawn, and Irwin, Va. (Oct. 3-7, 1909.)</p> <p>Fort Wayne, Angola, Auburn, LaGrange, Albion, Columbia City, Walkerton, Lafayette, Jasper, and Pekin, Ind. (Oct. 13-Nov. 7, 1909.)</p> <p>Warrenton, Durham, Raleigh, Newbern, Rocky Mount, and other points in North Carolina. (Nov. 21-Dec. 11, 1909.)</p> <p>Fredericksburg, Port Royal, Port Conway, Va., and Rocky Mount, N. C. (Apr. 16-May 8, 1910.)</p>				

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.

## BUREAU OF PLANT INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Cron, Alexander B.....	Assistant.....	Fredericksburg and Port Conway, Va. (May 16-17, 1910.)	To inspect variety tests of alfalfa introduced from foreign countries.	\$5.45	Purchase and distribution of valuable seeds, 1910. (Foreign seed and plant introduction.)
Do.....	do.....	Emporia, Fredericksburg, and Petersburg, Va. (June 8-14, 1910.)	To investigate farm practices in the growing, handling, and use of alfalfa and other forage crops.	45.60	General expenses, B. P. I., 1910. (Farm management.)
Do.....	do.....	York, Lancaster, Malvern, Pa.; Camden, Somerville, Orange, N. J.; Dover, Milford, and Seaford, Del. (June 18-28, 1910.)	To establish alfalfa test fields.	78.59	Purchase and distribution of valuable seeds, 1910. (Forage crop investigation.)
Crosby, Matt A.....	Assistant agriculturist...	Meridian, Macon, Miss.; Hanover, Ala. (July 1-8, 1909.)	Continuation of season's work in supervising demonstrations; collecting data on farm practices; making agricultural surveys and conferring with cooperating farmers regarding cropping systems and methods of farm management.	58.08	General expenses, B. P. I., 1910. (Farm management.)
Do.....	do.....	Nashville, Springfield, and other points in Tennessee, and travel throughout the States of Mississippi and Alabama. (July 18-Dec. 2, 1909.)	do.....	604.50	Do.
Do.....	do.....	Huntsville, Ala.; Macon, Miss., and travel throughout these States. (Mar. 20-June 24, 1910.)	do.....	438.42	Do.
Dearing, Charles.....	Scientific assistant.....	Willard, Enfield, N. C., and New Smyrna, Fla. (Mar. 13-19, 1910.)	For the purpose of supervising the pruning and training of Rotundifolium grapevines under experimental propagation in connection with the viticultural investigations of the office of pomology.	84.35	General expenses, B. P. I., 1910. (Pomological investigations.)
Do.....	do.....	Vineland, N. J. (May 20-24, 1910.)	do.....	20.28	Do.
Do.....	do.....	Willard, Rocky Mount, Enfield, Fayetteville, N. C.; St. Augustine, Glen St. Mary, Fla.; Macon, Experiment, Atlanta, Ga.; Clemson College, Greenwood, S. C., and other points in States named, and Norfolk, Va. Apr. 14-June 30, 1910.)	To study conditions of the Rotundifolium grape industry, including both wild and cultivated vines; take photographs and notes and record data concerning tests in cooperative vineyards, etc.	182.14	Do.
Dennis, Samuel J.....	Expert in refrigeration...	Riverside, Lodi, San Francisco, and Colton, Cal. (June 1-Nov. 27, 1909.)	Continuation of season's work in experiments in fruit cooling, transportation, and storage of citrus and deciduous fruits.	139.73	Do.



Do.....	do.....	Atlanta, Fort Valley, Ga. (Apr. 18-30, 1910.)	To carry on experiments in fruit cooling, storing, and shipping.	112. 79	Do.
Derr, Harry B.....	Agronomist in charge of barley investigations.	Morgantown, W. Va.; Lexington, Ky.; Champaign, Urbana, Levington, Ill.; Lafayette, Ind.; Lansing, Mich.; Toledo, Wooster, Ohio, and State College, Pa. (Aug. 11-25, 1909.) College Park and Laurel, Md. (Apr. 4-May 27, 1910; 5 trips.)	To consult with officials of agricultural experiment stations relative to future experiments with barley, particularly with a view to extending northward the winter barley area.	109. 45	General expenses, B.P.I., 1910. (Grain investigation.)
Do.....	do.....	Buffalo, Detroit, Pontiac, Pigeon, Mich.; Toledo, Ohio, and Pittsburg, Pa. (July 28-Aug. 3, 1909.)	To inspect and take notes on cooperative grain experiments.	2. 40	Do.
Dewey, Lyster H.....	Botanist in charge of fiber investigations.	St. Marys, Brucefield, Canada; North Liberty, South Bend, Lacrosse, and Kouts, Ind.; Madison, Mendota, Waukesha, Waupun, and adjacent points in Wisconsin; Chicago, Ill. (Sept. 7-24, 1909.)	To secure information regarding the methods of harvesting and handling flax crops, and select plants for breeding fiber types.	52. 51	General expenses, B.P.I., 1910. (Crop technology.)
Do.....	do.....	New York City. (Oct. 13-15, 1909)....	To inspect operations of flax-pulling machines in Canada; to secure information regarding growth of hemp and supervise harvesting of cooperative crops, and study conditions of the flax and hemp industry in the interest of fiber investigations.	112. 81	Do.
Do.....	do.....	Winchester, Lexington, Lancaster and vicinity, Ky. (Nov. 1-5, 1909.)	To inspect flax fiber machines in operation, and secure information regarding the use of hemp fiber in the manufacture of bindery twine in connection with bureau investigations.	14. 95	Do.
Do.....	do.....	Paterson, N. J., and New York City. (Dec. 22-23, 1909.)	To observe operations of collecting and preparing for market hemp seed, to be used in cultivation for fiber purposes.	53. 19	Do.
Do.....	do.....	Viroqua, Madison, Wis.; Ames, Iowa; Chicago, Ill.; and Kouts, Ind. (Apr. 4-13, 1910.)	To confer with manufacturers and dealers regarding textile fibers.	19. 70	Do.
Do.....	do.....	Kouts, North Liberty, Ind., and Yale, Mich. (May 3-7, 1910.)	To select land and prepare for the cultivation of hemp in cooperation with the State experiment stations, to examine hemp breaking machine and arrange for the breaking of cooperative hemp, etc.	98. 88	Do.
Do.....	do.....	Sugar Loaf Key, Miami, Key West, and Jacksonville, Fla. (June 7-18, 1910.)	To investigate the hemp fiber industry.....	73. 09	Do.
Do.....	do.....	Viroqua, Wis. (June 25-30, 1910).....	To study experiments in the production of sisal henequen and allied fiber plants of Sugar Loaf Key in cooperation with the Florida Key Sponge & Fruit Co.; to select land and make plans for starting of plantation for growth of sisal.	116. 85	Do.
Dexter, William Hart.....	Assistant.	Marshall, Timpson, Tex.; Shreveport, La.; Agricultural College, Starkville, Miss.; Andrews and Opelika, Ala. (June 15-25, 1910.)	To take charge of cooperative work of breaking hemp.	67. 20	Do.
Dillman, Arthur C.....	Expert.	Bellevue, Highmore, Billings, Watertown, S. D.; Akron, Colo.; Minneapolis, Saint Anthony Park, Minn. (July 1-Nov. 4, 1909.)	To study cotton boll-weevil conditions and confer with field agents.	124. 07	General expenses, B.P.I., 1910. (Farmers' cooperative demonstration work.)
			Continuation of season's work in breeding drought resistant crop plants in the semi-arid regions, and visit State experiment stations to consult officers in charge relative to methods of plant breeding, especially in the Great Plains area.	80. 64	General expenses, B.P.I., 1910. (Alkali and drought-resistant plants.)

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.

## BUREAU OF PLANT INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Dillman, Arthur C.....	Expert .....	Bellefourche, Orman, S. D., and Akron, Colo. (Mar. 10-June 30, 1910.)	To continue work of drought resistant plant breeding at the Bellefourche experiment station.	\$58.05	General expenses, B.P.I., 1910. (Alkali and drought-resistant plants.)
Dodge, Lawrence G.....	Assistant agriculturist..	Boston, Mass.; Lyons Falls, and other points in New York, and travel throughout the New England States. (July 1-Nov. 1, 1909.)	To study systems of farm management, interview farmers, and advise them concerning cropping systems, rotations, methods of growing and handling crops, and general farm problems.	457.64	General expenses, B.P.I., 1910. (Farm management.)
Do.....	do.....	Beverly, Mass.; Dracut, Scowhegan, Orono, and Dexter, Me. (Nov. 25-Dec. 10, 1909.)	.....do.....	55.69	Do.
Do.....	do.....	Ithaca, N. Y., and Burlington, Vt. (Feb. 9-18, 1910.)	To address the farmers' weekly meetings on the subject of farm management and assist them in formulating plans for improvement of methods of farming.	67.58	Do.
Do.....	do.....	Sparks Station, Md. (Apr. 8, 1910)....	To address a meeting at the county agricultural school on the subject of farm management.	3.73	Do.
Do.....	do.....	Ithaca, N. Y.; Hartford, Milford, Conn.; Highland Lake, W. Tisbury, Vineyard Haven, Amesbury, Newburyport, Mass.; Kennebunk, Biddeford, Me.; Rutland, Vt.; and Manchester, N. H. (Apr. 13-June 30, 1910.)	To carry on studies of the best systems of farm management and instruct farmers in the use of the most improved methods and inaugurate demonstration work.	186.09	Do.
Dorsett, Palemon H.....	Expert.....	Gainesville, Miami, Orlando, Gotha, Brooksville, Fla.; New Orleans, New Iberia, La.; Houston, Corpus Christi, Brownsville, San Antonio, Tex.; Yuma, Ariz.; Indio, Los Angeles, Santa Ana, Riverside, Pomona, Santa Barbara, Bakersville, Fresno, San Francisco, Sacramento, Chico, Cal.; Portland, Oreg.; Seattle, Bellingham, Wash.; and Ames, Iowa. (July 13-Oct. 25, 1909.)	To confer with officers of the bureau in charge of the various gardens and experiment stations, respecting the facilities for propagating and testing foreign seeds and plants, and with private collaborators and experimenters, to determine the possibility of developing industries with the various foreign plants under trial.	180.35	Purchase and distribution of valuable seeds, 1910. (Oreg. sessional seed distribution.)
Do.....	do.....	Seattle, Bellingham, Wash., and Chico, Cal. (June 14-30, 1910.)	.....do.....	382.65	Purchase and distribution of valuable seeds, 1910. (Foreign Seed and Plant Introduction.)
Downes, Maurice A.....	Assistant.....	Cherry Grove, Md.; Fairfax, Va. (8 trips.) (Apr. 6-30, 1910.)	To experiment in electroculture, the effect of stimulation treatment of plants, and conduct minor plant life history investigations.	207.21	General expenses, B.P.I., 1910. (Florida Sub-tropical Garden.)
				176.67	General expenses, B.P.I., 1910. (Special seeds and plants.)
				10.70	General expenses, B.P.I., 1910. (Crop physiology.)

Drake, J. Allen.....	Assistant agriculturist.....	Delaware, Zanesville, Columbus, and points throughout Ohio. (July 1-Aug. 2, 1909.)	To confer with experiment station and State officials, and study systems of farm practice and assist farmers to improve their methods of management.	223. 15	General expenses, B. P. I., 1910. (Farm management.)
Duvel, J. W. T.....	Assistant in charge of laboratory methods.	Alliance, Wooster, Mansfield, Bucyrus, Lima, Troy, and Dayton, Ohio; Richmond, Muncie, Lebanon, Fayette, South Bend, Indianapolis, Ind.; Lansing, Kalamazoo, Battle Creek, Mich.; Elmira, Hornellsville, N. Y.; Canton, Pa.; Stratford, Guelph, Toronto, Canada, and adjacent points to line of travel. (July 2-Sept. 2, 1909.)	To secure statistics of crop conditions and investigate methods of harvesting and marketing various grains; to inspect work of branch laboratories and other necessary details in the work of grain standardization.	251. 82	General expenses, B. P. I., 1910. (Grain standardization.)
Do.....	do.....	Baltimore, Md. (4 trips.) (Oct. 21-Nov. 11, 1909.)	To experiment with storage corn.....	9. 35	Do.
Do.....	do.....	Fort Wayne, Indianapolis, Ind.; Decatur, Forsythe, Pana, Ill.; Ames, Iowa; Central City, Nebr.; Kansas City, Parsons, Kans.; Muskogee, Tulsa, Okla.; St. Louis, Mo.; Chicago, Ill., and other points in States named. (Nov. 13-Dec. 5, 1909.)	To study methods of handling and marketing corn and arrange for experimental shipments and tests in connection with the grain transportation and storage investigations and inspect work of branch laboratories.	196. 22	Do.
Do.....	do.....	Baltimore, Md. (3 trips). (Dec. 13-21, 1909.)	To experiment with stored corn.....	9. 20	Do.
Do.....	do.....	New York City. (Dec. 27, 1909-Jan. 1, 1910.)	To confer with manufacturers of apparatus for determining the moisture content of grain; to investigate the conditions and quality of corn arriving at the New York market.	23. 75	Do.
Do.....	do.....	Baltimore, Md. (Jan. 10-19, 1910.)....	To examine corn in storage and confer with authorities relative to experiments being carried on in cooperation with the B. & O. R. R. and Northern Central Elevator Co.	9. 74	Do.
Do.....	do.....	New Orleans, La.; Lincoln, Columbus, Madison, Omaha, Nebr.; Chicago, Decatur, Ill., and Fort Wayne, Ind. (Jan. 23-Feb. 18, 1910.)	To superintendent the handling of grain being used in connection with special storage and transportation investigations.	226. 86	Do.
Do.....	do.....	Baltimore, Md. (6 trips). (Feb. 28-Apr. 4, 1910.)	Same as Jan. 10-19.....	20. 00	Do.
Do.....	do.....	New Orleans, La.; Decatur, Ill., and Fort Wayne, Ind. (Apr. 19-27, 1910.)	To make observations on corn stored in elevators for experiment, and confer with laboratory officials, cooperators and grain men concerning transportation and storage problems.	111. 36	Do.
Do.....	do.....	Baltimore, Md. (7 trips). (Apr. 29-May 31, 1910.)	Examining experimental shipments of corn and conferring with chamber of commerce relative to cooperative investigations.	18. 33	Do.
Do.....	do.....	Decatur, Ill.; Columbus, Pike-ton, and Portsmouth, Ohio. (Jan. 6-12, 1910.)	To inspect and carry on the work of investigating the handling, transporting and grading of grains in connection with the Office of Grain Standardization.	70. 96	Do.



Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.

## BUREAU OF PLANT INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Ellis, Lynn W.	Assistant in farm management.	Wooster, Delaware, Massillon, Ohio; Minneapolis, Minn.; Winnipeg, Brandon, Manitoba; Fargo and vicinity, Edgeley, Ellendale, N. Dak.; Pierre, Blunt, Redfield, S. Dak.; Sioux City, Cedar Rapids, Iowa, and Chicago, Ill. (July 7-Aug. 19, 1909.)	To investigate the use of traction plowing outfits and general farm equipments, and visit manufacturers, operators, and others to secure information regarding the price, capacity and economy of modern farm machinery in connection with farm management investigations.	\$262.51	General expenses, B. P. I., 1910. (Farm management.)
Do.	do.	Chicago, Moline, Ill., and La Porte, Ind. (Nov. 20-27, 1909.)	do.	82.50	Do.
Do.	do.	New York City, (Dec. 8-10, 1909.)	do.	23.35	Do.
Do.	do.	Chicago, Ill., and Ames, Iowa. (Dec. 26, 1909-Jan. 1, 1910.)	do.	75.90	Do.
Ewing, Early C.	Scientific assistant in plant breeding.	Ithaca, N. Y.; Waco, Dallas, Paris, Palestine, Tex., and Shreveport, La. (Oct. 4-6, 1909.)	To assist in the making of breeding records and obtaining selections in the field of varieties and strains of cotton being bred by the Office of Crop Acclimatization.	231.25	General expenses, B. P. I., 1910. (Cotton breeding.)
Do.	do.	St. Louis, Mo.; San Antonio, Fallurias, Taft, Corpus Christi, Victoria, Pierce, Mission, Tex.; Port Gibson, Miss., and Shreveport, La. (Mar. 28-June 30, 1910.)	To study the long-staple cotton status and assist in planning and planting cotton and corn for acclimatization and adaptation experiments and other necessary details in connection with the work of crop acclimatization.	314.18	General expenses, B. P. I., 1910. (Crop acclimatization.)
Fernald, J. F.	Mechanical assistant.	Riverside and Lodi, Cal. (July 1-Nov. 30, 1909.)	Continuation of season's work in assisting with the cooling, transportation, and storage experiments on citrus and deciduous fruits.	290.71	General expenses, B. P. I., 1910. (Pomological investigation.)
Do.	do.	Lodi, Cal.; Atlanta and Fort Valley, Ga. (Mar. 21-June 30, 1910.)	To supervise the removal of the B. P. I. experimental portable refrigerating plant from California to Georgia, being used in the fruit transportation and storage experiments conducted by the Office of Pomological Investigations.	324.52	Do.
Field, Ethel C.	Scientific assistant.	New York City. (Apr. 14-24, 1910.)	For the purpose of abstracting data for the plant disease survey in the mycological collections of the New York Botanical Gardens.	50.00	General expenses, B. P. I., 1910. (Cotton and truck diseases.)
Flanery, Wm. L.	Assistant in arboriculture.	Sacaton, Tempe, Ariz.; Los Angeles, Cal., and San Antonio, Tex. (July 26-Oct. 26, 1910.)	To investigate climatic and other conditions on Indian farms and inaugurate experimental planting of cotton; and study life history of dates, olives, figs, pistaches, and citrus fruits.	85.53	General expenses, B. P. I., 1910. (Crop physiology.)

Fletcher, Wm. F.	Scientific assistant.	General expenses, B. P. I., 1910. (Pomological investigations.)	316.25	To study and record orchard conditions and make observations on the cross-pollination experiments on apples.	316.25	General expenses, B. P. I., 1910. (Pomological investigations.)
Do.	Do.	Do.	1.90	To discuss "fruit culture" at the farmers' institute.		Do.
Do.	Do.	Do.	31.58	To continue fruit district investigations.		Do.
Do.	Do.	Do.	51.88	For the purpose of making phenological records in connection with fruit district investigations.		Do.
Do.	Do.	Do.	10.31	To check up the cross-pollination work conducted by the Office of Fruit District Investigations.		Do.
Froley, John W.	Assistant agriculturist.	General expenses, B. P. I., 1910. (Farm management.)	385.21	To investigate systems of farming and secure data to be used in formulating cropping systems and farm plans best adapted to local conditions.		General expenses, B. P. I., 1910. (Farm management.)
Do.	Do.	Do.	3.71	do.		Do.
Do.	Do.	Do.	21.45	do.		Do.
Do.	Do.	Do.	2.00	do.		Do.
Do.	Do.	Do.	20.75	do.		Do.
Do.	Do.	Do.	16.50	do.		Do.
Galloway, Beverly T.	Chief of bureau.	General expenses, B. P. I., 1910. (Administrative and miscellaneous.)	23.75	To confer with practical farmers and officers in charge of experiment stations; inaugurate experiments and investigations, and inspect the work of the bureau.		General expenses, B. P. I., 1910. (Administrative and miscellaneous.)
Do.	Do.	Do.	145.24	do.		Do.
Do.	Do.	Do.	129.50	do.		Do.
Do.	Do.	Do.	324.65	To investigate foreign plant industries and their bearing on the agriculture of the United States with a view to outlining future explorations, and to arrange with foreign officials and scientific institutions for the collection, propagation, and shipment to this country of valuable seeds and plants.		Purchase and distribution of valuable seeds, 1910. (Foreign seed and plant introduction.)

*Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.*

## BUREAU OF PLANT INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Garner, Wightman W.	Physiologist in charge of tobacco investigations.	Tarboro, Greenville, Raleigh, Oxford, Creedmoor, N. C.; Skipwith, Appomattox, Chase City, and Drapersville, Va. (July 8-27, 1909.)	To inspect tobacco experiments and diseased cotton and tobacco lands, and obtain samples of same for use in plant nutrition studies.	\$44.75	General expenses, B. P. I., 1910. (Bacteriology and nutrition.)
Do.	do.	Bowling Green, Va. (Aug. 18, 1909.)	To inspect tobacco experiments.	3.80	General expenses, B. P. I., 1910. (Tobacco investigations.)
Do.	do.	Sufield, Tariffville, Hartford, Conn., and Springfield, Mass. (Aug. 19-Sept. 4, 1909.)	To inspect tobacco work and experiment in the curing of tobacco.	65.14	Do.
Do.	do.	Florence, Syracuse, Hartsville, Lamar, Darlington, Society Hill, S. C. (Sept. 18-25, 1909.)	To inspect fertilizer experiments; secure material for studies on the oil content of cotton seed, and obtain samples of diseased cotton soils for greenhouse experiments.	35.25	General expenses, B. P. I., 1910. (Bacteriology and nutrition.)
Do.	do.	Hartford, Sufield, Conn., and Amherst, Mass. (Feb. 11-16, 1910.)	To confer with officials of agricultural stations and growers relative to cooperative experiments and investigations.	32.15	General expenses, B. P. I., 1910. (Tobacco investigations.)
Do.	do.	Raleigh, N. C. (Mar. 28-30, 1910.)	To confer with officials of the state experiment station and arrange for cooperative experiments in nutrition investigations.	29.80	General expenses, B. P. I., 1910. (Bacteriology and nutrition.)
Do.	do.	Lancaster, Pa. (Apr. 21-22, 1910.)	To arrange further experiments in tobacco investigations.	10.62	General expenses, B. P. I., 1910. (Tobacco investigations.)
Do.	do.	Lamar, Manning, and Timmons ville, S. C. (May 31-June 4, 1910.)	To inspect tobacco and plant nutrition work being conducted by the bureau.	7.95 31.81	Do. General expenses, B. P. I., 1910. (Bacteriology and nutrition.)
Gilbert, Wm. W.	Assistant pathologist.	Detroit, Saginaw, Petosky, St. Ignace, Allen ville, Rex ton, Garnet, Newberry, Cheboygan, Alpena, Mich., and Elizabeth, N. J. (July 20-Aug. 2, 1909.)	To study diseases of garden peas and inaugurate spraying experiments with carrots.	63.24	General expenses, B. P. I., 1910. (Cotton and truck diseases.)
Do.	do.	Auburn, N. C., Hartsville, Lamar, Barnwell, and Monetta, S. C. (Aug. 23-31, 1909.)	To carry on experiments in the breeding of wilt-resistant cotton, cowpeas, and watermelons, and work on cotton anthracnose.	48.33	Do.
Do.	do.	Barnwell, Hartsville, Lamar, Bishopville, Monetta, S. C.; Notasulga, Auburn, and Salem, Ala. (Sept. 12-25, 1909.)	do.	92.42	Do.
Do.	do.	Blacksburg, Norfolk, Va.; Notasulga, Opelika, Headland, and Dothan, Ala. (Oct. 12-23, 1909.)	do.	85.72	Do.



Do.....	do.....	Columbia, Lamar, Dalzell, and Harts- ville, S. C. (Nov. 7-13, 1909.)	To locate suitable land for cotton-wilt experi- ment work.	44. 25	Do.	General expenses, B. P. I., 1910. (Bacteriology and nutrition.)
Do.....	do.....	Norfolk, Portsmouth, and Church- land, Va. (Feb. 16-18, 1910.)	To superintend planting of pea experiments and study diseases of potatoes and other truck crops.	23. 10	Do.	General expenses, B. P. I., 1910. (Farm manage- ment.)
Do.....	do.....	Grand Rapids, Detroit, Mich., and Clyde, Ohio. (Mar. 6-12, 1910.)	To inaugurate field experiments for the control of diseases of tomatoes and cabbage.	64. 90	Do.	
Do.....	do.....	Grand Rapids, Mich.; Toledo and Clyde, Ohio. (Mar. 23-Apr. 1, 1910.)	To carry on soil sterilization work in connec- tion with tomato and cabbage diseases.	66. 47	Do.	
Do.....	do.....	Florence, Barnwell, Monetta, Lamar, S. C.; Headland, Ala., and Norfolk, Va. (Apr. 10-23, 1910.)	To superintend experimental planting of cot- ton and watermelons, and inspect and take notes on pea experiments.	90. 14	Do.	
Goll, Frank L.....	Assistant physiologist.....	Philadelphia and vicinity. (Oct. 23- 28, 1909.)	To collect plants other than legumes bearing nitrogen-fixing nodules.	12. 25		
Goodrich, C. L.....	Expert.....	Greensboro, N. C. (July 1-3, 1909.)....	To assist at a summer school for colored stu- dents, held under auspices of the North Carolina Agricultural College, and advise them concerning the management of their farms.	20. 38		
Do.....	do.....	Walterboro, Sniders, Columbia, Edge- field, Pilsen, Barnwell, Lexington, Greenwood, Newberry, Bethlehem, Good Hope, Cold Springs, Wins- boro, Maysville, S. C.; Sedalia, N. C.; and Augusta, Ga. (July 11-Aug. 24, 1909.)	To assist with a series of farmers' institutes, in- spect demonstration work, and make a care- ful study of farm practices and systems of management.	195. 62	Do.	
Do.....	do.....	Mount Carmel, Md. (Sept. 25-27, 1909.)	To assist with a series of farmers' meetings.....	3. 11	Do.	
Do.....	do.....	Clarkton, Bessemer City, N. C., and Hartsville, S. C. (Nov. 14-24, 1909.)	To study methods of crop management and arrange for cooperative hay experiments, etc.	64. 98	Do.	
Do.....	do.....	Washington, Albany, Ga.; Tallahas- see, Gainesville, Ocala, Orlando, Lake Helen, New Smyrna, Miami, Fort Lauderdale, Quincy, Jackson- ville, Fla.; Atlanta, Ga.; Columbia, Aiken, Newberry, S. C. (Jan. 23- Mar. 5, 1910.)	To confer with experiment station officials, visit farmers and advise with them as to cropping systems and the management of their farms, and other details in connection with farm management and practice.	86. 41	Do.	
Do.....	do.....	Calhoun, Ala.; Savannah, Ga.; Gaines- ville, Lakeland, Fort Myers and vicinity, Wauchoha, Arcadia, Kis- simisee, Fla.; Columbia, S. C.; and Oxford, N. C. (Apr. 20-May 21, 1910.)	To inspect demonstration work in farm man- agement, inaugurate additional cooperative work, consult with the officials of the Florida Experiment Station, and investigate the ag- ricultural possibilities of the west side of the Florida Everglades.	79. 83	Do.	
Gore, H. C.....	Scientific assistant.....	Points in West Virginia and return. (Sept. 2-3, 1909.)	Conducting experimental work in the preser- vation of fruit juices.	8. 91		General expenses, Bu- reau of Chemistry, 1910. (Laboratory, transportation.)
Do.....	do.....	Peoria, Ill. (Dec. 6-13, 1909.).....	Appearing as a witness at the trial of a case arising under the food and drugs act.	68. 90		General expenses, Bu- reau of Chemistry, 1910. (Food and drugs act, transportation.)

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## BUREAU OF PLANT INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Goss, Willard L. ....	Scientific assistant. ....	Blacksburg, Va.; Knoxville, Tenn.; Agricultural College, Miss.; Little Rock, Ark.; Stillwater, Okla.; Auburn, Ala.; Experiment, Atlanta, Ga.; Clemson College, S. C.; and Raleigh, N. C. (Nov. 9-24, 1909.) Philadelphia, Pa., and vicinity. (Mar. 9-10, 1910.)	To consult with experiment-station officials and others concerning the quality of agricultural seeds sold in these States, and the appointment of collaborators in connection with work of adulterated-seed investigations.	\$164.64	General expenses, B. P. I., 1910. (Seed-testing laboratories.)
Goucher, Edward. ....	Expert. ....		To visit nurseries for the purpose of investigating and reporting on stock suitable for use in the testing and propagating work at Chico, Cal.	10.95	Purchase and distribution of valuable seeds, 1910. (Foreign seed and plant introduction.)
Gould, Harris P. ....	Pomologist. ....	Forest City, Ark.; Dalhart, Amarillo, Tex.; Ardmore, Oklahoma City, Okla.; Hutchinson, Manhattan, Topeka; Leavenworth, Kans.; Lincoln, Nebraska City, Nebr.; Akron, Denver, Trinidad, Colo.; Neosho, Springfield, West Plains, Mo.; Rutledge, Tazewell, Knoxville, London, Jacksonboro, Kingston, Tenn.; and other points in States named. (July 5-Oct. 2, 1909.)	For the purpose of assisting with a series of farmers' institutes and observing and recording the condition of orchard fruits in connection with the fruit district investigations of the bureau.	303.19	General expenses, B. P. I., 1910. (Pomological investigations.)
Griffiths, David A. ....	Agriculturist. ....	San Luis Potosi, Aguas Calientes, Tehuacan, and other points in Mexico; Tucson, Ariz.; Chico, Los Angeles, Cal.; San Antonio, Brownsville, Corpus Christi, Tex., and other points in States named. (Aug. 1-Oct. 29, 1909.)	To study varieties and native conditions of tunas and prickly pears and arrange for importation of seeds and cuttings from Mexico into this country, to continue the range and cactus investigations, and visit farmers and growers interested in the cultivation of prickly pears in the United States.	499.43	General expenses, B. P. I., 1910. (Farm management.)
Do. ....	do. ....	St. Louis, Mo.; San Antonio, Laredo, Brownsville, Tex.; Tucson, Ariz.; and Chico, Cal. (Feb. 17-May 19, 1910.)	To select stock and supervise planting of prickly pears, arrange and plan cooperative and export investigation of the prickly pear cultivation and industry throughout the southwestern United States and northern Mexico.	497.01	Do.
Hammerley, J. M. ....	Skilled laborer. ....	Round Hill and McLean, Va. (16 trips). (July 3-Oct. 28, 1909.)	To work on experimental breeding plats of corn.	40.55	General expenses, B. P. I., 1910. (Grain investigations.)
Do. ....	do. ....	McLean, Va.; Pike Crossing and Westminster, Md. (3 trips). (Feb. 17-Apr. 5, 1910.)	do. ....	4.90	Do.
Do. ....	do. ....	Murfreesboro, Tenn. (Apr. 23-May 1, 1910.)	do. ....	65.80	Do.

Do.....	do.....	McLean, Round Hill, Broad Run, Occoquan, Va.; Pike Crossing, Derwood, Md. (13 trips). (May 3-June 22, 1910.)	24.85	Do.
Do.....	do.....	Piketon, Ohio. (June 29-30, 1910.)	17.95	Do.
Harrington, George T.....	Scientific assistant.....	Omaha, Nebr. (Dec. 2-18, 1909.)	103.96	General expenses, B. P. I., 1910. (Seed-testing laboratories.)
Harter, Leonard L.....	Assistant pathologist.....	Norfolk, Va. (5 trips). (July 1-Dec. 4, 1909.)	70.00	General expenses, B. P. I., 1910. (Cotton and truck diseases.)
Do.....	do.....	Churchland, Portsmouth, and Norfolk, Va. (Mar. 6-11, 1910.)	26.26	Do.
Do.....	do.....	Jacksonville, Gainesville, Bradentown, Sanford, Miami, Hastings Fla.; Charlestown, S. C.; and Wilmington, N. C. (Mar. 30-Apr. 17, 1910.)	163.44	Do.
Do.....	do.....	Churchland and Norfolk, Va. (Apr. 24-May 14, 1910.)	26.43	Do.
Do.....	do.....	Grand Rapids, Mich., and Clyde, Ohio. (May 31-June 7, 1910.)	70.90	Do.
Do.....	do.....	Grand Rapids, Mich., and Clyde, Ohio. (June 13-25, 1910.)	78.18	Do.
Do.....	do.....	Churchland and Norfolk, Va. (June 26-30, 1910.)	26.15	Do.
Hartley, Carl.....	Scientific assistant.....	Halsey, Lincoln, Nebr.; Denver, Colo., Estes Park, Halfway, Colo., and Deadwood, S. Dak. (July 1-Oct. 15, 1909.)	286.61	General expenses, B. P. I., 1910. (Forest pathology.)
Do.....	do.....	Marble Forge and Lancaster, Pa. (Mar. 21-27, 1910.)	24.71	Do.
Do.....	do.....	Halsey and Lincoln, Nebr. (Apr. 9-June 30, 1910.)	113.70	Do.
Hartley, Charles P.....	Physiologist in charge of corn investigations.....	Piketon, Ohio. (July 16-Aug. 2, 1909.)	54.90	General expenses, B. P. I., 1910. (Grain investigation.)
Do.....	do.....	Oconomowoc, Wis.; Murfreesboro, Tenn.; Columbus, Sumbury, Sabina, Chillicothe, and Piketon, Ohio. (Sept. 18-Nov. 14, 1909.)	242.18	Do.
Do.....	do.....	Des Moines, Iowa; Omaha, Nebr., and Manhattan, Kans. (Dec. 2, 1909-Jan. 2, 1910.)	129.50	General expenses, B. P. I., 1910. (Administrative and miscellaneous.)
		To deliver address at the "Seventh Annual Iowa Corn Exposition and Contest," inspection of corn at the National Corn Exposition at Omaha, and give illustrated lecture on "Corn Improvement" before the Kansas State Farmers' Institute.		



Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.

## BUREAU OF PLANT INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Hartley, Charles P.....	Physiologist in charge of corn investigations.	Piketon, Ohio. (May 4-15, 1910.)	To attend to the planting of experimental plats of corn.	\$58. 85	General expenses, B. P. I., 1910. (Administrative and miscellaneous.)
Do.....	do.....	Edgewood, Pike Crossing, Md., and McLean, Va. (May 17-June 1, 1910.)	.....do.....	4. 70	Do.
Do.....	do.....	Augusta, Statesboro, Carrollton, Monroe, Ga., and Hartsville, S. C. (June 21-30, 1910.)	To assist in planning future experimental work and take notes on the results of investigations under way.	76. 34	Do.
Hawkins, Lon A.....	Scientific assistant.....	Lawton, Paw Paw, Grand Rapids, Douglas, Saugatuck, Kalamazoo, Benton Harbor, and Gallen, Mich. (July 1-Oct. 18, 1909.)	Continuation of season's work in grape spraying experiments and investigations of small fruit and other plant diseases.	160. 69	General expenses, B. P. I., 1910. (Fruit diseases.)
Do.....	do.....	Lawton and Paw Paw, Mich. (Mar. 28-Apr. 3, 1910.)	To conduct spraying experiments for the control of grape anthracnose and other diseases.	59. 47	Do.
Do.....	do.....	Lawton, Holland, Saugatuck, and Douglas, Mich. (Apr. 14-May 10, 1910.)	To continue spraying experiments and investigations of small fruit and other plant diseases.	115. 41	Do.
Do.....	do.....	Winchester, Va. (May 13-15, 1910) ...	To conduct spraying experiments on the apple in connection with the studious fungicides.	10. 56	Do.
Do.....	do.....	Vineland, Egg Harbor, Cookstown, Millville, Hammononton, and Mays Landing, N. J. (May 16-June 30, 1910.)	To collect pathological material; conduct spraying experiments and general laboratory and field work in connection with the investigations of fruit diseases.	101. 68	Do.
Hedgcock, George G.....	Pathologist.....	St. Louis, Mo.; Lincoln, Beatrice, Superior, Nelson, Neb.; Denver, Fraser, Monument, Colorado Springs, Minnehaha, Red Cliff, Colo.; Salt Lake City, Ogden, Utah; Pocatello and adjacent points in Idaho; Walla Walla, Wash.; Yreka, Cal.; Wallowa, Mount Hood, Klamath Falls, and other points in Oregon. (Aug. 5-Nov. 7, 1909.)	For the purpose of making studies of diseases of coniferous and deciduous trees and of the parasites causing them, and other pathological and physiological investigations in connection with forest pathology.	623. 28	General expenses, B. P. I., 1910. (Forest pathology.)
Do.....	do.....	Baltimore, Md. (Jan. 25; Mar. 15; Apr. 5 and 28, 1910.)	To investigate and experiment on the fungi staining lumber and its products and articles manufactured therefrom, and methods of preventing same.	12. 15	Do.
Do.....	do.....	New York City. (Apr. 14-24, 1910) ...	To study the collections of fungi at the New York Botanical Gardens and determine correct names of forest disease fungi.	59. 70	Do.

Henry, Helen H.....	Laboratory aid.....	La Fayette, Ind. (Feb. 12-Mar. 15, 1910.)	To establish a branch seed testing laboratory..	23. 90	General expenses, B. P. I., 1910. (Seed-testing laboratories.)
Hillman, Frederick H....	Assistant botanist.....	Humansville, Fair Play, Lamar, Carthage, Columbia, Gallatin, Fairfax, Skidmore, Windsor, Amsterdam, Melz, Golden City, Greenfield, Pierce City, and Sarcoxie, Mo. (Nov. 14-Dec. 30, 1909.)	To attend farmers' institutes and give talks on pure seed investigations and secure and prepare data for publication of a bulletin on seed testing.	103. 50	Do.
Hinson, William M.....	Crop technologist.....	Quincy, Hinson, Fla.; Bainbridge, Ga.; Montgomery, Brewton, Evergreen, Mariott, Ala.; Palestine, Nacogdoches, and College Station, Tex. (July 1-31, 1909.)	To study better methods of growing and handling tobacco crops, especially by breeding and selection; plan cooperative work in curing and fermenting tobacco, and consulting with growers and others relative to methods of fertilizing and handling diseased tobacco soil.	150. 98	General expenses, B. P. I., 1910. (Tobacco investigation.)
Do.....	do.....	Lancaster, York and adjacent points in Pennsylvania; Hartford, Suffield, Tarliffville, Conn.; Baldwinville, Syracuse, N. Y.; Janesville, Madison, Wis.; Dayton and adjacent points in Ohio. (Aug. 14-Sept. 10, 1909.)	do.....	151. 30	Do.
Do.....	do.....	Lancaster, Ephrata, and Mount Joy, Pa. (Feb. 1-5, 1910.)	To assist officials of State experiment station in testing samples of curing leaf tobacco, and selecting plants for seed.	24. 57	Do.
Do.....	do.....	Hartford, Tarliffville, Conn., and Amherst, Mass. (Feb. 13-19, 1910.)	To continue tobacco experiments and investigations.	49. 97	Do.
Hitchcock, Albert S.....	Systematic agrostologist.	Cordova, Skagway, Selkirk, Dawson, Rampart, Fairbanks, Hot Springs, Nome, Alaska; Seattle, Wash.; Victoria, Vancouver, British Columbia; Columbia Falls, Shelby Mont.; Banff, Lethbridge, Calgary, Canada; Devils Lake, N. Dak.; Duluth, Minn.; Ashland, Wis.; Houghton, Lansing, Mich., and Chicago, Ill. (July 1-Oct. 3, 1909.)	To study the classification, habits, distribution and economic value of grasses for use in the preparation of a manual of North American grasses, and collect seeds for experiments.	401. 78	General expenses, B. P. I., 1910. (Taxonomic and range investigations.)
Do.....	do.....	San Antonio, New Braunfels, Kerrville, Brownsville, and Corpus Christi, Tex. (June 15-30, 1910.)	do.....	161. 30	Do.
Hitchcock, Frank H.....	Collaborator.....	San Antonio, Corpus Christi, and Brownsville, Tex. (June 15-30, 1910.)	do.....	146. 00	Do.
Holland, John T.....	Clerk.....	Derwood, Pike Crossing, Md., and Alexandria, Va. (8 trips). (May 17-June 30, 1910.)	Work on experimental breeding plats of corn..	8. 90	General expenses, B. P. I., 1910. (Grain investigations.)
Hosford, George W.....	Assistant pomologist.....	Pasadena, Los Angeles, Santa Barbara, Lodi, and other points in California. (July 1-Nov. 8, 1909.)	To assist with fruit transportation and storage investigations of citrus and deciduous fruits.	476. 67	General expenses, B. P. I., 1910. (Pomological investigations.)

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.

BUREAU OF PLANT INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Humphrey, Clarence J.	Expert.	Norfolk, Va.; Georgetown, S. C.; Savannah, Ga.; Birmingham, Ala.; Meridian, Miss.; Baton Rouge, La.; Pine Bluff, Ark.; Beaumont, Houston, Tex.; Los Angeles, Fresno, San Francisco, Cal.; Portland, Oreg.; Columbia, Seattle, Wash.; Butte, Mont.; Denver, Colo.; Fort Dodge, Iowa; Madison, Wis., and other points in States named. (July 1-Dec. 9, 1909)	To investigate the wood-rotting fungi and wood-rots of structural timber.	\$683.00	General expenses, B. P. I., 1910. (Forest pathology.)
Husman, George C.	Pomologist in charge of viticultural investigations.	Vineland, N. J., and vicinity. (Aug. 3-6, 1909.)	To inspect cooperative experiments in viticulture.	15.01	General expenses, B. P. I., 1910. (Pomological investigations.)
Do.	do.	Napa, Fresno, Chico, Los Angeles, Lodi, and other points in California; Casa Grande, Sacaton, Ariz.; El Paso, San Antonio, Brownsville, and Dallas, Tex. (Sept. 2-Dec. 6, 1909.)	To inspect and take notes on experimental vineyards and arrange future work, and confer with growers and others relative to viticultural researches and investigations.	449.80	Do.
Do.	do.	Willard, N. C. (Jan. 30-Feb. 5, 1910).	To inspect experimental vineyards and cooperative work on round-leafed grape vines.	31.20	Do.
Do.	do.	Vineland, N. J. (Feb. 17-19, 1910).	To supervise the pruning of experimental vineyards of the department, and give instructions, and directions for further work.	14.38	Do.
Do.	do.	Vineland, N. J. (Mar. 20-24, 1910)	To inspect and continue work in experimental vineyards; prepare data for bulletin; give instructions in cultivation of grapes, and other details in connection with the viticultural investigations of the bureau.	18.43	Do.
Do.	do.	Napa, Oakville, Fresno, San Francisco, Lodi, and other points in California. (Apr. 26-June 19, 1910.)	To study conditions and crops in the dry land area and other sections; assist in planning for the seeding of winter crops and arrange methods of management at new stations; inspect agricultural exhibits (especially from Alaska) and dry land grain at the Alaska-Yukon-Pacific Exposition; and visit grain docks, dealers, seed firms, boards of trade, and others to ascertain market conditions, values, and quantities of grains and their products in connection with bureau work.	362.58	Do.
Jardine, Wm. M.	Agronomist.	Minneapolis, Minn.; Fargo, Williston, Dickinson, N. Dak.; Forsyth, Mont.; Spokane, Seattle, Wash.; Portland, Corvallis, Moro, Wallowa, Joseph, Oreg.; Logan, Nephi, Salt Lake City, Utah; Malad Valley, Pocatello Valley, and Cherry Creek, Idaho. (July 11-Sept. 16, 1909.)		355.38	General expenses, B. P. I., 1910. (Grain investigations.)



Do.....	Chicago, Ill.; Billings and Huntley, Mont. (Oct. 12-Nov. 2, 1903.)	To attend the Dry Farming Congress and inspect work at the Huntley substation, and arrange exhibits of dry land grains at the Land and Irrigation Congress in Chicago.	184.50	Do.	General expenses, B. P. I., 1910. (Western agricultural extension.)
Do.....	Manhattan, Kans.; Denver, Akron, Colo.; Dalhart, Tex.; Nephi, Cache Valley, Utah; Caldwell, Boise, Idaho; Moro, Portland, Oreg.; Spokane, Wash.; Huntley, Philbrook, Forsythe, Judith Basin, Mont., and Minneapolis, Minn. (Apr. 30-June 5, 1910.)	To inspect experimental work with dry land grains at experiment stations, and confer with seed firms, dealers, and others relative to market conditions, quality, etc., of grains and their products.	385.25	Do.	General expenses, B. P. I., 1910. (Farm management.)
Jensen, Charles A.....	Agriculturist.....	To conduct investigations in the physics and physiology of the nutrition of crop plants.	223.35		
Jobson, Hicks H.....	Scientific assistant.....	To study farm practices in the growing and utilization of prickly pears, and carry on range improvement and cactus investigations.	640.35		
Do.....	do.....	do.....	97.20	Do.	
Johnson, Edward C.....	Pathologist.....	To study life histories of cereals; and obtain statistics on grain diseases and methods of preventing them, with particular reference to rusts and smuts of grains and sorghums, and diseases of rice.	445.49		General expenses, B. P. I., 1910. (Grain investigations.)
Do.....	do.....	do.....	140.59	Do.	
Johnston, John R.....	Scientific assistant.....	To complete infection experiments in connection with the Budrot disease of the coconut palm.	189.25		General expenses, B. P. I., 1910. (Pathological laboratory.)
Do.....	do.....	To investigate mushroom diseases.	27.21	Do.	
Do.....	do.....	do.....	2.60	Do.	
Kearney, Thomas H.....	Physiologist in charge of alkali and drought-resistant plants.	To test alkali resistance of crop plants; work on breeding drought-resistant crop plants, on pomegranates and Egyptian cotton, and investigate the indicator value of the native vegetation, etc.	811.00		General expenses, B. P. I., 1910. (Alkali and drought-resistant plants.)

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## BUREAU OF PLANT INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Kearney, Thomas H.....	Physiologist in charge of alkali and drought-resistant plants.	San Antonio, Tex.; Maricopa, Sacaton, Yuma, Ariz.; Los Angeles, Bakersfield, Lathrop, Stockton, San Francisco, Cal.; North Platte, Nebr.; Fort Morgan, Wray, Akron, and Denver, Colo. (June 5-30, 1910.)	To test alkali resistance of crop plants; work on breeding drought-resistant crop plants, pomgranates and Egyptian cotton, and investigate the indicator value of the native vegetation, etc.	\$287.95	General expenses, B. P. I., 1910. Alkali and drought-resistant plants.
Kellerman, Karl F.....	Physiologist in charge of bacteriology and nutrition.	New York City; Plainville, Conn.; Philadelphia and Hallshead, Pa. (Aug. 30-Sept. 10, 1910.)	To plan cooperative work in legume inoculation and reconnaissance and advisory work in water purification.	76.74	General expenses, B. P. I., 1910. (Bacteriology and nutrition.)
Do.....	do.....	Boston, Mass.; Ithaca, N. Y., and New Brunswick, N. J. (Dec. 28, 1909-Jan. 4, 1910.)	For conferences regarding nitrification studies and farm sanitation.	76.10	Do.
Do.....	do.....	Columbus, Ohio. (Mar. 28-Apr. 2, 1910.)	To investigate methods of work and plan further cooperative experiments in connection with the bacteriological investigations of the Bureau.	54.60	Do.
Klugh, George F.....	Scientific assistant.	Florence, Ebenezzer, Timmons ville, St. Matthews, and Summerville, S. C. (Aug. 17-29, 1909.)	To inspect, photograph, and make notes on drug plants under experimental culture.	45.78	General expenses, B. P. I., 1910. (Drug and other plants.)
Do.....	do.....	Mount Carbon, Colo. (May 14-June 30, 1910.)	To carry on field work in poisonous plant investigations.	74.30	Do.
Knapp, Bradford.....	Collaborator.....	Mobile, Citronelle, Troy, Talladega, Ala.; Tulsa, Chickasha, Ardmore, Okla., and Russellville, Ark. (Mar. 4-24, 1910.)	To hold farmers' meetings, confer with field agents, and plan demonstration work.	161.66	General expenses, B. P. I., 1910. (Farmers' cooperative demonstration work.)
Kyle, Curtis H.....	Assistant physiologist.....	Carrollton, Atlanta, Monroe, Ga.; North Augusta, Clemson College, Ridge Spring, S. C.; St. Augustine, Miami, Fort Lauderdale, Fla.; Selma, Ala.; Rocky Mount, N. C.; Hutchinson, Manhattan, Kans.; Auburn, Omaha, Nebr.; Picketon, Ohio, and other points in States named. (July 1-Dec. 16, 1909.)	To supervise the selection and care of seed corn grown in experimental breeding plats, record data in regard to the various experiments, and inspect cooperative varietal test work, etc.	618.03	General expenses, B. P. I., 1910. (Grain investigations.)
Do.....	do.....	Columbia, S. C.; Augusta, Statesboro, Monroe, Carrollton, Ga.; Orlando, Fort Myers, Fort Thompson, and Miami, Fla. (Mar. 2-June 30, 1910.)	To supervise preparation of land and planting of experimental corn plats; arrange further cooperative breeding, demonstration and varietal test work, and other details in connection with corn investigations.	268.47	Do.

Lewton, Frederick L.	Assistant botanist.	Victoria, Brownsville, Falfurrias, San Antonio, New Braunfels, Moore, Del Rio, Waco, Kerrville, Tex.; Key West, Miami, Gotha, Altamonte Springs, and Orlando, Fla. (July 1-Oct. 23, 1909.)	To supervise and study experiments in testing weevil-resistant and drought-resistant varieties of cotton in the crossing and acclimatization of Central American cottons and corn under various conditions; make statistical records of the work, etc.	\$705.50	General expenses, B. P. I., 1910. (Crop acclimatization.)
Do.	do.	Altamonte Springs, Florence Villa, Gotha, Fla., and Lamar, S. C. (Mar. 5-Apr. 5, 1910.)	For the purpose of arranging for and planting experimental cotton, and confer with field agents regarding facilities for cooperative work.	156.38	Do.
Do.	do.	San Antonio and Falfurrias, Tex. (June 5-30, 1910.)	Pollinating and other work on experimental cotton breeding plots.	150.90	General expenses, B. P. I., 1910. (Cotton breeding.)
Long, Wm. W.	Executive assistant.	Palestine, Tex.; Shreveport, La.; Vicksburg, Miss.; Montgomery and Brewton, Ala. (Aug. 10-21, 1909.)	To inspect cooperative demonstration work, and investigate conditions for cultivation, and general status of the tobacco industry.	142.30	General expenses, B. P. I., 1910. (Administrative and miscellaneous.)
McClure, Harry B.	Assistant agriculturist.	New York City. (July 8-9, 1909.)	To confer with authorities relative to machinery for artificial hay-curing plant used in experimental work of bureau.	15.50	General expenses, B. P. I., 1910. (Farm management.)
Do.	do.	Hayti, Mo.; Centerville, Iowa, and Cedar Point, Ohio. (June 10-31, 1909.)	To supervise the construction of a plant for the artificial curing of hay.	119.90	Do.
Do.	do.	Hayti, Mo. (Aug. 5-Oct. 27, 1909.)	do.	157.81	Do.
Do.	do.	Hayti, Mo. (Apr. 1-June 30, 1910.)	To complete construction of hay-drying kiln.	106.38	Do.
McKay, Andrew W.	Expert in fruit storage.	Chula Vista, Bonita, Los Angeles, San Diego, Santa Barbara, Cal.; Ithaca and New York City, N. Y. (July 1-Nov. 16, 1909.)	To conduct investigations in fruit marketing, transportation and storage, and inspect experimental shipments of fruit arriving at New York.	226.98	General expenses, B. P. I., 1910. (Pomological investigations.)
Do.	do.	Tampa, Bradentown, Bartow, Fort Myers, Fla. and adjacent points. (Dec. 1, 1909-Jan. 14, 1910.)	To conduct fruit marketing, transportation and storage investigations of citrus and deciduous fruits.	215.70	Do.
Do.	do.	Ithaca, N. Y.; Los Angeles, San Diego, Riverside, Santa Barbara, Santa Paula, Corona, San Fernando, San Dimas, and other points in California. (Jan. 18-June 30, 1910.)	do.	671.85	Do.
McKee, Roland.	Scientific assistant.	Phoenix, Ariz.; Chico, Stockton, Los Angeles, Mecca, Riverside, Berkeley, and other points in California. (Feb. 8-June 30, 1910.)	To take notes and follow up cooperative work and arrange for new tests in green manure and forage crops.	230.87	Purchase and distribution of valuable seeds, 1910. (Foreign seed and plant introduction.)
McLane, John W.	Expert.	Williston, Edgeley, N. Dak.; Cheyenne, Wyo.; and Allerton, Iowa. (July 1-Oct. 12, 1909.)	To conduct physical field investigations in connection with dry land agriculture in the Great Plains area.	306.19	General expenses, B. P. I., 1910. (Physical investigations.)
Malcolm, Donald C.	Assistant gardener.	Martinsburg and Gerrardstown, W. Va. (Apr. 6-16, 1910.)	To assist in fruit district investigations of the bureau.	19.30	General expenses, B. P. I., 1910. (Pomological investigations.)
Mann, C. W.	Scientific assistant.	Los Angeles, Santa Paula, San Bernardino, Riverside, San Diego, Escondido, Cal. (Apr. 19-June 30, 1910.)	To visit packing houses; examine fruit in cold storage; pick and experiment with lemons; inspect orchards and groves and secure data pertaining to the investigations in fruit marketing, transportation, and storage.	399.22	Do.



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## BUREAU OF PLANT INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Marsh, C. Dwight.....	Physiologist.....	Denver, Gunnison, and Mount Carbon, Colo. (July 1-29, 1909.)	Continuation of season's work in studies of the loco and other poisonous plants of western stock ranges.	\$108.18	General expenses, B. P. I., 1910. (Drug and other plants.)
Do.....	do.....	Denver, Mount Carbon, Hugo, Limon, Colo.; Baker City, Sumpter, Granite, Portland, Oreg.; Red Bluff, Mineral, Lassen Forest, Cal.; and Chicago, Ill. (Aug. 13-Oct. 14, 1909.)	To conduct field and laboratory investigations of poisonous plants with particular reference to stock poisoning, and consult with stockmen and others interested in western stock ranges.	365.02	Do.
Do.....	do.....	Annapolis and Baltimore, Md. (Apr. 7-12, 1910.)	To investigate sheep poisoning and consult wholesale druggists relative to preparation of experimental material for use in poisonous plant investigations.	4.25	Do.
Do.....	do.....	Chicago, Ill.; Omaha, Nebr.; Denver, Gunnison, and Mount Carbon, Colo. (May 1-June 30, 1910.)	To investigate poisonous plants on the western stock ranges, and consult stockmen and others relative to work of poisonous plant investigations.	121.04	Do.
Marsh, Hadleigh.....	Laboratory assistant.....	Mount Carbon, Limon, Hugo, Woodland Park, Salida, Gunnison, and Denver, Colo. (July 1-Oct. 13, 1909.)	To carry on field work in poisonous plant investigations with special reference to stock poisoning.	143.00	Do.
Mason, Silas C.....	Arboriculturist.....	Sacaton, Yuma, Tempe, Phoenix, Ariz.; Los Angeles, Riverside, San Francisco, Cal.; San Antonio, Laredo, Kingsland, New Braunfels, Lampasas, Tex., and other points in States named. (July 26, 1909-May 31, 1910.)	To carry on testing and demonstration work in fig culture and caprification, date palm, pistachio nut, and other investigations in dry land arboriculture.	232.89	General expenses, B. P. I., 1910. (Western agricultural extension.)
Mathewson, Ernest H.....	Crop technologist.....	College Park and Upper Marlboro, Md. (July 2-3, 1909.)	To assist with cooperative experimental work in tobacco culture.	1,310.55	General expenses, B. P. I., 1910. (Crop physiology.)
Do.....	do.....	Marshall, Va.; Greenville, N. C.; Kingstree, Lake City, Manning, S. C.; New Orleans, St. James, Convent, Luteher La.; Martin, Clarksville, Tenn.; Paducah, Henderson, Hopkinsville, Bowling Green, Louisville, Lexington, Maysville, Ky.; and Cincinnati, Ohio. (June 10-31, 1909.)	To carry on experiments in the improvement of tobacco by breeding, selection, and adaptation, and study methods of growing, curing, and handling tobacco and other crops in rotation or in connection with tobacco.	1.48	General expenses, B. P. I., 1910. (Tobacco investigations.)
Do.....	do.....	Upper Marlboro, Md.; Chatham, Axton, Appomattox, Va.; Fork Union, Louisa, and Charlottesville, Va. (Aug. 4-13, 1909.)	To study the tobacco industry and inspect cooperative experiments.	187.37	Do.
Do.....	do.....			37.48	Do.

Do.....	do.....	To confer with Green, Lynchburg, Appomattox, Va., and Upper Marlboro, Md. (Aug. 17-Sept. 3, 1909.)	27.40	Do.
Do.....	do.....	Baltimore, Mount Airy, Md.; Morgantown, Charleston, Milton, Hurricane, W. Va.; Barnesville, Cincinnati, Ohio; Hardinsburg, Fordsville, Owensboro, Greenville, and Louisville, Ky. (Sept. 14-Oct. 1, 1909.)	97.96	Do.
Do.....	do.....	Upper Marlboro, Md.; Danville, Chatham, Rockymount, Va.; Winston-Salem, Durham, Dunn, Kingston, N. C.; Laurenceville, Chase City, Amelia, Richmond, Petersburg and Lynchburg, Va. (Oct. 12-30, 1909.)	63.88	Do.
Do.....	do.....	Raleigh, Greenville, N. C. (Nov. 15-20, 1909.)	30.88	Do.
Do.....	do.....	Raleigh, N. C., and Winchester, Va. (Jan. 3-6, 1910.)	29.70	Do.
Do.....	do.....	Baltimore, Md. (Jan. 14 and 17, 1910.)	4.70	Do.
Do.....	do.....	Richmond, Bowling Green, Va.; Greenville, Raleigh, Oxford, N. C.; and Manning, S. C. (Feb. 1-Mar. 3, 1910.)	73.31	Do.
Do.....	do.....	Blacksburg, Waynesboro, Staunton, Appomattox, Rustburg, Chatham, Lynchburg, and Bowling Green, Va. (Mar. 7-31, 1910.)	49.38	Do.
Do.....	do.....	Upper Marlboro, Md.; Richmond, Saxe, McKenney, Appomattox, Louisa, and Fork Union, Va. (Apr. 19-28, 1910.)	47.68	Do.
Do.....	do.....	Richmond, Va., and Upper Marlboro, Md. (May 30-June 21, 1910.)	13.31	Do.
Meade, Rowland M.....	Scientific assistant.....	Victoria, San Antonio, Brownsville, New Braunfels, Falfurrias, Del Rio, Taft, Tex.; Somerton, Sacaton, Yuma, Ariz.; Los Angeles and Glendale, Cal. (July 1-Nov. 9, 1909.)	637.16	General expenses, B. P. I., 1910. (Crop acclimatization.)
Do.....	do.....	San Antonio, Falfurrias and Taft, Tex. (June 5-30, 1910.)	129.30	Do.
Merrick, Lovina S.....	do.....	Corvallis, Oreg. (Aug. 16, 1909-June 16, 1910.)	223.60	General expenses, B. P. I., 1910. (Seed testing laboratories.)
Metcalf, Haven.....	Pathologist in charge of forest pathology.....	New York city, Cold Spring Harbor, Huntington, Westbury, Oyster Bay, Brooklyn, N. Y., and Stamford, Conn. (July 7-Aug. 7, 1909.)	103.17	General expenses, B. P. I., 1910. (Forest pathology.)

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.

## BUREAU OF PLANT INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Metcalf, Haven.....	Pathologist in charge of forest pathology.	Newark, Del.; New Haven, Conn.; Providence, R. I.; Boston, Mass.; Augusta, Me.; New York, Cold Spring Harbor, Westbury, N. Y., and Baltimore, Md. (Oct. 23-Nov. 13, 1909.)	To study bark disease of the chestnut, inspect work of assistants and cooperators on the control of <i>Peridermium strobi</i> and white pine blight, and confer with State authorities regarding the status of this work.	\$98.42	General expenses, B. P. I., 1910. (Forest pathology.)
Do.....	do.....	Madison, Wis.; Chicago, Dundee, Ill., and Pitsburg, Pa. (Dec. 4-12, 1909.)	To study westward extension of the bark disease of the chestnut; distribution of <i>Peridermium strobi</i> ; confer with officials of the Forest Service and specialists regarding pathological aspects of wood preservation, and other cooperative work.	89.81	Do.
Do.....	do.....	New York, Brooklyn, N. Y., and Providence, R. I. (Dec. 24, 1909-Jan. 3, 1910.)	To study the bark disease of the chestnut.....	51.25	Do.
Do.....	do.....	Mineola, Westbury, Cold Spring Harbor, Huntington, N. Y., and Providence, R. I. (May 18-Jan. 3, 1910.)	To study the bark disease of the chestnut; the damping-off of coniferous seedlings, and other diseases of ornamental trees.	72.28	Do.
Do.....	do.....	New York, Westbury, and Mineola, N. Y. (Jan. 23-28, 1910.)	do.....	37.09	Do.
Meyer, Frank N.....	Agricultural explorer.....	Kew, England, and points in France, Germany, Russia, Caucasus, and Turkestan. (Aug. 12, 1909-June 30, 1910.)	To secure seeds and plants and hardy forage crops, cereals, and fruits for introduction into the United States; study irrigated fruits and grain crops; confer with explorers and expert propagators, and investigate pistache forests.	1,917.43	Purchase and distribution of valuable seeds, 1910. (Foreign seed and plant introduction.)
Miles, George F.....	Scientific assistant.....	Geneva, Kendah, Genesee, Fredonia, Westfield, N. Y.; North East, Erie, Fairview, and Harborcreek, Pa. (July 7-Aug. 28, 1909.)	To investigate diseases of small fruits and conduct spraying experiments.	84.14	General expenses, B. P. I., 1910. (Fruit diseases.)
Do.....	do.....	Kendah, Walkers Crossing, N. Y.; North East, Erie, Fairview, and Gl-rard, Pa. (Sept. 23-Oct. 15, 1909.)	do.....	93.23	Do.
Do.....	do.....	Greenville, Waco, Dallas, Terrell, Petty, and Celeste, Tex. (Nov. 3-Dec. 15, 1909.)	To study cotton root-rot and make records of results of past season's field experiments.	151.65	Do.
Do.....	do.....	Winchester, Va., and vicinity. (Apr. 19-23, 1910.)	To investigate diseases of small fruits and carry on experiments in spraying and orchard nutrition.	18.87	Do.
Do.....	do.....	North East, Gl-rard, Fairview, Pa.; Westfield, Kendah, and Walkers Crossing, N. Y. (May 11-June 30, 1910.)	do.....	177.26	Do.



Miller, Henry A.....	Assistant agriculturist.....	Manassas, Rapidan, and Orange, Va. (July 26-28, 1909.)	To study methods of farm management and assist in planning cropping systems.	General expenses, B. P. I., 1910. (Farm management.)	15.80
Do.....	do.....	Hot Springs, Va., and vicinity. (Aug. 8-19, 1909.)	do.....	Do.	49.85
Do.....	do.....	Bluemont, Va. (Aug. 23, 1909.)	do.....	Do.	6.35
Do.....	do.....	Charlotte, N. C.; Purcellville, Milford, Louisa, Orange, Manassas, Berryville, Chatham, Lynchburg, Appomattox, Farmville, Crewe, and Blackstone, Va. (Sept. 1-Nov. 6, 1909.)	do.....	Do.	172.54
Do.....	do.....	Rectortown, Markham, Va.; Salisbury, Snow Hill, Berlin, Perryville, Md.; Georgetown, Milford, Seaford, Harrington, Dover, Middletown, and Newark, Del. (Mar. 28-June 25, 1910.)	To investigate farm management and practice in the use of rotations, including cover crops; inaugurate demonstration work in farm management, etc.	Do.	115.59
Miller, Ralph C.....	Assistant in grain standardization.	Baltimore, Md. (Aug. 4-12, 1909).....	To assist in the grain standardization laboratory.	General expenses, B. P. I., 1910. (Grain standardization.)	13.55
Do.....	do.....	New Orleans, La. (Aug. 19-Sept. 5, 1909.)	do.....	Do.	38.90
Do.....	do.....	Kansas City, Mo.; Topeka and Pawnee Rock, Kans. (May 13-June 30, 1910.)	To investigate the harvesting, handling, storing, and transporting of grains; and study the effects of such operations upon the commercial grading of same.	Do.	146.80
Mitchell, George F.....	Scientific assistant.....	Charleston, Summerville, S. C.; New York city, N. Y., and Baltimore, Md. (Dec. 6, 1909, Jan. 14, 1910.)	To assist with the cooperative culture and manufacture of American tea in South Carolina and consult dealers and others regarding problems connected with tea culture investigations.	General expenses, B. P. I., 1910. (Drug and other plants.)	89.25
Do.....	do.....	Summerville and Charleston, S. C. (Jan. 31-June 30, 1910.)	To continue tea culture investigations.....	Do.	56.70
Morse, William J.....	do.....	Newark, Del., and Eatontown, N. J. (Sept. 10-11, 1909.)	To take notes on tests of soy beans and other forage crops.	Purchase and distribution of valuable seeds, 1910. (Foreign seed and plant introduction.)	18.50
Do.....	do.....	Milford, Norfolk, Richmond, Va., and Hickory, N. C. (Sept. 20-26, 1909.)	do.....	Do.	44.80
Do.....	do.....	Newark, Del. (Oct. 28, 1909).....	To take notes on growing crops and supervise planting of grasses at the experiment station.	Purchase and distribution of valuable seeds, 1910. (Forage crop investigation.)	6.20
Do.....	do.....	New London, Ohio. (Apr. 14-21, 1910.)	do.....	Do.	51.10
Mowry, Herbert H.....	Assistant agriculturist.....	San Antonio, Tex.; Yuma, Somerton, Sacaton, Ariz.; Bard and Imperial Valley, Cal. (July 14-Dec. 26, 1909.)	To make a study of the cultivation of Egyptian cotton and assist in classifying, interpreting, and preparing reports on results of the work at the experiment farms.	General expenses, B. P. I., 1910. (Western agricultural extension.)	450.00
Do.....	do.....	Delmar, Del., and Salisbury, Md. (Apr. 3-9, 1910.)	To study farm equipment with special reference to the operative methods of small fruit farms.	General expenses, B. P. I., 1910. (Farm management.)	36.28

## EXPENDITURES FOR TRAVEL.

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.

## BUREAU OF PLANT INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Mowry, Herbert H.....	Assistant agriculturist..	Swedesboro, N. J. (Apr. 17-May 1, 1910.)	To study equipment necessary in the operation of small farms.	\$48.92	General expenses, B. P. I., 1910. (Farm management.)
Do.....	do.....	Norfolk, Portsmouth, Virginia Beach, Cape Henry, Cape Charles, Wachapreague, Hallwood, Va., Pocomoke City, Baltimore, Annapolis, Md., and Seaford, Del. (May 16-June 18, 1910.)	do.....	81.55	Do.
Muncey, Elliot M.....	Laboratory aid.....	Cumberland, Me., and New York City. (Jan. 9-30, 1910.)	To operate machine for making paper from cornstalks.	52.92	General expenses, B. P. I., 1910. (Paper plant investigations.)
Norton, Jesse B.....	Physiologist.....	Hartford, Hockanum, Conn., and Concord, Mass. (July 2-Aug. 16, 1909.)	To assist with rust-resistant asparagus breeding and cover crop investigations.	77.14	General expenses, B. P. I., 1910. (General plant breeding.)
Do.....	do.....	Cincinnati, Ohio; Concord, Mass., and Hockanum, Conn. (Aug. 17-Oct. 8, 1909.)	To deliver an address and read a paper by the chief of bureau before the Society of American Florists and Ornamental Horticulturists in Cincinnati; and continue cover crop and asparagus breeding investigations.	86.61	Do.
Do.....	do.....	Philadelphia, Pa.; Riverton, Swedesboro, N. J.; Concord, Mass., and New York City. (Apr. 10-June 30, 1910.)	To conduct experiments in breeding rust-resistant asparagus, and study asparagus diseases.	75.24	Do.
Oakley, Russell A.....	Assistant agrostologist..	Ripon, Fond du Lac, Milwaukee, Wis.; Saginaw, Mich.; Buffalo, Geneseo, Phelps, Carthage, Ogdensburg and Ithaca, N. Y. (July 1-14, 1909.)	To take notes on improved strains of timothy being tested in cooperation with farmers, and to investigate seed cleaning and seed cleaning machinery.	99.25	Purchase and distribution of valuable seeds, 1910. (Congressional seed distribution.)
Do.....	do.....	Charlottesville, Va. (Aug. 9-10, 1909.)	To deliver an address on "Forage crops" before the State farmers' Institute.	7.05	Purchase and distribution of valuable seeds, 1910. (Forage crop investigations.)
Do.....	do.....	Cleveland, New London, and Crestline, Ohio. (Aug. 22-24, 1909.)	To select location and establish a forage crop testing farm.	38.70	Do.
Do.....	do.....	Blacksburg, Va. (Aug. 25-Sept. 2, 1909.)	To make surveys and tabulate results of previous tests on cooperative grazing plots; take photographs of soy bean varieties, etc.	31.10	Do.
Do.....	do.....	Madison, Wis.; Jacksonville, Delavan, Urbana, Ill.; Lafayette, Ind., and Lexington, Ky. (Sept. 10-21, 1909.)	do.....	110.90	Do.

Do.....	The Plains, Luray, Tazewell, Radford, Rural Retreat, Elk Creek, Carters, and Blacksburg, Va. (Oct. 8-21, 1909.)	To continue work in connection with cooperative grazing tests.	53. 30	Do.
Do.....	Richmond, Va. (Feb. 1-3, 1910).....	To attend a farmers' institute and make an address on "Pasture improvement," and confer with authorities regarding cooperative testing of forage crops at the experiment station.	16. 10	Purchase and distribution of valuable seeds, 1910. (Forage crop investigation.)
Do.....	Ithaca, Geneseo, and Rochester, N. Y. (March 21-24, 1910.)	To test various seeds which enter into the congressional distribution in order to determine their fitness to varietal types and adaptation to different climatic and soil conditions.	42. 83	Purchase and distribution of valuable seeds, 1910. (Congressional seeds.)
Do.....	Blacksburg, Va. (Mar. 30-Apr. 3, 1910.)	To inspect cooperative grazing tests.....	25. 15	Purchase and distribution of valuable seeds, 1910. (Forage crop investigation.)
Do.....	New London, Ohio. (Apr. 6-9, 1910)...	To inspect the testing of grasses and take notes on growing forage crops, and confer with the authorities regarding the general management of the new experiment station.	37. 05	Do.
Do.....	Staunton, Va. (Apr. 22 and 23, 1910)...	To arrange for cooperative tests of hay and pasture grasses, and take notes on results of previous work.	13. 10	Do.
Do.....	The Plains, Va. (June 6, 1910).....	To take notes on the testing of orchard grasses.	4. 70	Do.
Do.....	New London and Wooster, Ohio. (June 8-11, 1910.)	To investigate farm practices in the growing, handling, and use of grass and forage crops, and give instructions in the management of the new forage crop testing station.	38. 70	Do.
Do.....	Blacksburg, Pearisburg, Narrows, White Gate, Bland, Wytheville, Pulaski, Christiansburg, and Fishersville, Va. (June 13-29, 1910.)	To make notes on cooperative grazing tests; secure botanical surveys of grazing plots; secure information regarding management of pastures and meadows.	53. 25	Do.
O'Gara, Patrick J. ....	Medford, Gold Hill, Ashland, Portland, Salem, Albany, and Phoenix, Ariz. (July 1-Aug. 26, 1909.)	Continuation of investigations of pear blight and assist orchardists in the eradication of same.	155. 10	General expenses B. P. I., 1910. (Fruit diseases.)
Do.....	St. Paul, Minn.; Portland, Hood River, Medford, Ashland, Central Point, Merlin, Grants Pass, Jacksonville, Eagle Point, Salem, Phoenix, Gold Hill, Talent, Myrtle Creek, Sans Valley, Oreg.; Wenatchee, Wash.; Sacramento, Colfax, Suisun, New-castle, Auburn, Red Bluff, and Chico, Cal. (Sept. 20, 1909-June 30, 1910.)	To investigate diseases of fruits, particularly pear blight, and conduct spraying and other experiments for the purpose of combating and controlling the diseases.	841. 40	Do.
Oliver, George W. ....	Boston, Mass. (Sept. 16-19, 1909).....	To investigate growth of hybrid dahlias.....	36. 90	General expenses B. P. I., 1910. (Experimental gardens and grounds.)
Orcutt, Alfred S. ....	Churchland, Portsmouth, and Norfolk, Va. (Mar. 6-11, 1910.)	To plant field plots for experiments with truck crop diseases.	23. 14	General expenses, B. P. I., 1910. (Cotton and truck diseases.)



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## BUREAU OF PLANT INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Orcutt, Alfred S.....	Scientific assistant.....	Norfolk, Va. (Apr. 6-9, 1910) .....	To plant field plots for experiments with truck crop diseases.	19. 00	General expenses, B. P. I., 1910. (Cotton and truck diseases.)
Do.....	do.....	Baltimore, Md. (Apr. 12, 1910) .....	To secure samples of commercial fungicides....	1. 50	Do.
Do.....	do.....	Churchland and Diamond Springs, Va. (May 18-22, 1910.) .....	To inspect and take notes on experimental plots in connection with the work on the malnutrition diseases of truck crops.	19. 60	Do.
Do.....	do.....	Churchland and Diamond Springs, Va. (May 31-June 4, 1910.) .....	do.....	19. 73	Do.
Do.....	do.....	Norfolk, Va.; Granville, Ohio, and Grand Rapids, Mich. (June 13-30, 1910.) .....	To inspect and take notes on experimental plots of truck crops and supervise spraying experiments with diseases of tomatoes and cucumbers.	46. 25	Do.
Orton, William A.....	Pathologist in charge of cotton and truck diseases, and sugar plant investigations.	St. Albans, Burlington, Vt.; Matfield, Long Island, and New York City. (July 9-23, 1909.) .....	To investigate potato diseases; inspect experimental fields; confer with cooperators and prepare data for publication on results of the work.	20. 36	Do.
Do.....	do.....	Norfolk, Va. (July 25-29, 1909) .....	To investigate truck crop diseases.....	23. 34	Do.
Do.....	do.....	Springfield, Hartsville, Lamar, S. C. (Aug. 4-7, 1909.) .....	To study anthracnose, wilt and other diseases of cotton.	68. 67	Do.
Do.....	do.....	Burlington, Vt.; Guelph, Ontario; Port Huron, Gaylord, Grand Rapids, Kalamazoo, Paw Paw, Mich.; Clyde, Fremont, Ohio; Chicago, Ill.; Lincoln, Nebr.; Greeley, Fort Collins, Denver, Montrose, Grand Junction, Colo.; Seattle, Mount Vernon, Bellingham, Tacoma, Fuyahup, Wash.; Corvallis, Oreg.; Stockton, Galt, and San Francisco, Cal. (Aug. 26-Oct. 20, 1909.) .....	To inspect variety tests of potatoes, and cucumber spraying experiments, and study diseases of truck crops.	440. 37	Do.
Do.....	do.....	Toledo and Clyde, Ohio. (Dec. 12-15, 1909.) .....	To arrange for experiments on cabbage wilt....	42. 10	Do.
Do.....	do.....	Boston and Cambridge, Mass. (Dec. 27, 1909-Jan. 2, 1910.) .....	To confer with authorities of the Canadian department of agriculture and collaborators of the plant disease survey and others relative to cooperative work and truck diseases, and examine the mycological collections of Harvard University.	46. 78	Do.
Do.....	do.....	Geneva, Ithaca, and New York, N. Y. (May 8-10, 1910.) .....	Arrange details of cooperative experiments with sugar beets.	26. 00	General expenses, B. P. I., 1910. (Sugar plant investigations.)

Do.....	Norfolk and Olney, Va. (June 1-5, 1910.)	To investigate potato rot and other diseases of truck crops.	23. 35	General expenses, B. P. I., 1910. (Cotton and truck diseases.)
Do.....	Madison, Wis.; Grand Rapids, Blissfield, Mich.; Garden City, Kans.; Holly, Colo.; Kansas City, Mo., and Chicago, Ill. (June 18-30, 1910.)	To investigate sugar-beet diseases, breeding and culture.	216. 28	General expenses, B. P. I., 1910. (Sugar plant investigations.)
Patterson, Flora W.....	St. Louis, Mo.; Columbus and Cincinnati, Ohio. (Mar. 9-Apr. 19, 1910.)	To examine specimens in the mycological herbariums and botanical gardens and secure pathological material and data in connection with Bureau investigations.	173. 81	General expenses, B. P. I., 1910. (Pathological laboratory.)
Peck, William A.....	Frankfort, Indianapolis, Lebanon, Ind.; Chicago, Ill.; Ames, Des Moines, Sioux City, Iowa; Madison, Janesville, Wis.; St. Paul, Hastings, Minn.; Fargo, Bismarck, N. Dak.; Billings, Bozeman, Mont.; Spokane, Pullman, Wash.; Oakland, Cal.; Fort Collins, Greeley, Colo.; Manhattan, Kans., and other points in States named. (July 1-Dec. 1, 1909.)	To organize cooperative work in the study of farms and feeding systems; secure data for basis of cropping systems and other details of farm management investigations.	693. 16	General expenses, B. P. I., 1910. (Farm management.)
Do.....	Wooster, Ohio; Indianapolis, Lafayette, Acton, Ind.; St. Paul, Langdon, St. Anthony, Park, Minn. (Jan. 26-Feb. 28, 1910.)	To organize cooperative work with experiment stations and farmers in the study of farm economies.	130. 25	Do.
Do.....	Wooster, Ohio; Indianapolis, Lafayette, Acton, Ind.; St. Paul, Langdon, St. Anthony Park, Minn. (May 1-31, 1910.)	.....do.....	83. 61	Do.
Pierce, Leslie.....	Birmingham, Ala.; Fort Valley, Barnesville, Atlanta, Ga., and other points in States named. (Apr. 1-May 31, 1910.)	To conduct spraying experiments and demonstrations in the control of peach brown rot and other diseases of fruits.	138. 77	General expenses, B. P. I., 1910. (Fruit diseases.)
Piper, Charles V.....	Cheney, Pullman, Puyallup, Wash.; Corvallis, Lyons, Oreg.; Chico, Cal.; Dabhart, Chillicothe, and Amarillo, Tex. (July 4-Aug. 14, 1909.)	To arrange for and inspect cooperative testing in the growing of forage crops with experiment stations and private growers.	251. 92	Purchase and distribution of valuable seeds, 1910. (Foreign seed and plant introduction.)
Do.....	New York City; New London, Cleveland, Wooster, Columbus, Urbana, Bellefontaine, Ohio. (Aug. 19-27, 1909.)	To test legumes and grasses and arrange for the establishment of a testing farm for timothy and other forage crops.	67. 60	Purchase and distribution of valuable seeds, 1910. (Forage crop investigations.)
Do.....	Raleigh, N. C.; Monetta, S. C.; Experiment, Ga.; Knoxville, Tenn.; Jackson, Starkville, Biloxi, Miss.; Tallulah, Baton Rouge, New Orleans, La.; Miami, Gainesville, and McIntosh, Fla. (Sept. 3-Oct. 1, 1909.)	To inspect and establish forage crop tests.	231. 01	Do.
Do.....	Coulterville, Ill., and Madison, Ind. (Dec. 5-12, 1909.)	To investigate and take notes on forage crop tests.	91. 08	Purchase and distribution of valuable seeds, 1910. (Foreign seed and plant introduction.)

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## BUREAU OF PLANT INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Piper, Charles V.....	Agrostologist in charge of forage crop investigations.	Columbus, Ohio. (Jan. 11-14, 1910) ..	To arrange for and inspect cooperative tests in the growing of timothy.	\$37.75	Purchase and distribution of valuable seeds, 1910. (Foreign seed and plant introduction.)
Do.....	do.....	New York, Southampton, Kingston, N. Y.; Boston and Ipswich, Mass. (May 5-15, 1910.)	To study legumes in the Torrey and Gray herbariums; inspect cooperative tests with forage plants and grasses.	69.18	Do.
Do.....	do.....	Blacksburg and Christiansburg, Va., May 17-22, 1910.)	To consult with experiment station officials and arrange for cooperative experiments in the testing of legumes.	21.35	Do.
Pomeroy, Carl S.....	Expert.....	New York City. (Oct. 7 and Nov. 8, 1909.)	For the purpose of inspecting experimental shipments of grapes and other fruit arriving at the pier.	82.63	General expenses B. P. I., 1910. (Pomological investigations.)
Do.....	do.....	New York City. (June 24-30, 1910)...	To inspect experimental peaches arriving at the pier and examine cars preparatory to shipment.	38.70	Do.
Potter, Alden M.....	do.....	Minneapolis, St. Anthony Park, Minn., Highmore, S. Dak.; Fargo, N. Dak.; Kansas City, McPherson, Kans.; Amarillo, and Dallas, Tex. (July 25-Oct. 21, 1909.)	To investigate and make records of cereal diseases and study the life history of head smut of sorghums, etc.	258.82	General expenses B. P. I., 1910. (Grain investigations.)
Do.....	do.....	Amarillo, Tex.; Stillwater, Okla., and Minneapolis, Minn. (May 12-June 30, 1910.)	To investigate and make records of cereal diseases and take charge of spring plating work in the sorghum disease experiments.	114.30	Do.
Powell, G. Harold.....	Pomologist and assistant chief of bureau.	Philadelphia, Pa.; Wenatchee, Seattle, Puyallup, Pasco, Wash.; Hermiston, Hood River, Salem, Medford, Ore.; Sacramento, Lodi, San Francisco, Berkeley, Los Angeles, Riverside, Cal.; Newton, Wichita, Topeka, Kans.; Springfield, Mo., and Chicago, Ill. (July 2-Aug. 19, 1909.)	To study field methods of handling fruit; interview fruit growers, shippers, railway officials, officers in charge of cold storage houses and others relative to difficulties of shipping and storing fruit; supervise arrangement of bureau exhibits at Seattle, Wash.; and general problems in connection with fruit marketing, transportation, and storage investigations.	480.31	General expenses B. P. I., 1910. (Pomological investigations.)
Do.....	do.....	New York, Rochester, Hilton, Buffalo, Syracuse, N. Y.; and Philadelphia, Pa. (Aug. 25-Sept. 17, 1909.)	To confer with authorities relative to fruit marketing, transportation, and storage investigations.	86.44	Do.
Do.....	do.....	Philadelphia, Pa., and New York City. (Oct. 20-22, 1909.)	To direct inspection of shipments of grapes and pears on arrival at the piers; study market conditions and other details in connection with fruit transportation and storage investigations.	24.20	Do.



Do.....do.....	Do.....do.....	Philadelphia, Pa., and New York City. (Nov. 3-5, 1909.)	To visit wholesale fruit districts and attend citrus fruit auctions to study the effect of the transportation and storage work of the bureau on the condition of fruit when marketed.	32.90	Do.
Do.....do.....	Do.....do.....	New York City. (Apr. 18-22, 1910.)	To inspect stored grain in connection with the work of grain standardization.	31.52	Do.
Do.....do.....	Do.....do.....	Baltimore, Md. (May 12, 1910.)	General supervision of the field work of the bureau, particularly the dry land experiments in the Great Plains area, and of fruit marketing, transportation, and storage investigations on the Pacific coast.	3.05	General expenses, B. P. I., 1910. (Administrative and miscellaneous.)
Do.....do.....	Do.....do.....	Kansas City, Hays, Ellis, Kans.; Akron, Colo.; Dulhart, Amarillo, Tex.; Yuma, Ariz.; Riverside, Colton, Los Angeles, San Francisco, Cal.; Hood River, Dallas, Moro, Portland, Oreg.; North Platte, Mitchell, Sidney, Chadron, Crawford, Nebr.; Belle Fourche, Whitewood, Hot Springs, Edgemont, S. Dak. Lewiston, Hoboken, Billings, Mont.; Dickinson, N. Dak.; Minneapolis, Minn.; Chicago, Ill., and New York City. (June 15-30, 1910.)	To assist in the prosecution of the fruit marketing, transportation, and storage investigations.	237.78	Do.
Pratt, Burr B.....	Scientific assistant.....	Benton Harbor, Mich.; Pasadena, Riverside, San Diego, Los Angeles, Santa Barbara, Lodi, Fresno, Berkeley, and other points in California. (Aug. 1, 1909-Feb. 3, 1910.)	To conduct fruit transportation and storage investigations and supervise assembling, precooling, and shipping of peaches in Georgia.	788.91	General expenses, B. P. I., 1910. (Pomological investigations.)
Do.....do.....	Do.....do.....	Los Angeles, Pasadena, Riverside, Santa Barbara, and other points in California, and Fort Valley, Ga. (Feb. 28-June 30, 1910.)	To inspect volatile oil plants; continue the distillation of hop and other oils and consult authorities relative to work of perfumery and volatile oil investigations.	600.92	Do.
Rabak, Frank.....	Chemical biologist.....	Madison, Wis.; Webster, S. Dak.; Minneapolis, Minn.; Sacramento, Perkins, Cal.; Tacoma and Seattle, Wash. (July 29-Nov. 3, 1909.)	To investigate the culture of perfumery and volatile oil plants and collect and distill material of value for oil production.	312.38	General expenses, B. P. I., 1910. (Drug and other plants.)
Do.....do.....	Do.....do.....	Jacksonville and Orange City, Fla. (June 28-30, 1910.)	To work in plant disease laboratory making microscopic and cultural studies of decay, molds and other fungi on citrus fruits; inspect cold storage fruit and other details of transportation and storage investigations.	59.39	Do.
Ramsey, H. J.....	Expert.....	Whittier, Lodi, Pasadena, Los Angeles, Cal. (Oct. 16-Nov. 4, 1909.)	Visiting packing houses and groves; picking and examining experimental fruit, and other work in connection with fruit transportation and storage.	153.65	General expenses, B. P. I., 1910. (Pomological investigations.)
Do.....do.....	Do.....do.....	Jacksonville, Tampa, Bradentown, Winter Park, Florence, Villa, Miami, and other points in Florida. (Nov. 13, 1909-Mar. 4, 1910.)	To continue experiments in connection with fruit transportation and storage investigations.	508.84	Do.
Do.....do.....	Do.....do.....	Los Angeles, Riverside, Santa Barbara, San Diego, Escondido, Corona, San Dimas, Santa Paula, San Bernardino, Whittier and San Fernando, Cal. (Mar. 17-June 30, 1910.)		560.98	Do.

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## BUREAU OF PLANT INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Rand, Frederick V.....	Scientific assistant.....	Winchester, Va. (July 7-13, 1909).....	Investigate and arrange experiments for orchard nutrition and treatment of apple diseases.	\$21.58	General expenses, B.P.I., 1910. (Fruit diseases.)
Do.....	do.....	Winchester, Va. (July 14-20, 1909).....	do.....	25.31	Do.
Do.....	do.....	Winchester, Va. (Sept. 7-8, 1909).....	do.....	11.95	Do.
Do.....	do.....	Winchester, Va. (Sept. 27-Oct. 8, 1909).....	To secure data on results of the spraying experiments for the control of apple diseases and orchard nutrition.	43.80	Do.
Do.....	do.....	Orangeburg, S. C. (Oct. 18-24, 1909).....	To investigate pecan diseases and note results of spraying experiments.	37.15	Do.
Do.....	do.....	Winchester, Va. (Jan. 3-6, 1910).....	To examine fruits in cold storage to determine effects of the spraying experiments.	13.36	Do.
Do.....	do.....	Winchester, Va. (Mar. 21-23, 1910).....	To assist in planning spraying and fertilizer experiments in apple orchards.	12.06	Do.
Do.....	do.....	Orangeburg, Summerton, S. C., and Baconton, Ga. (Mar. 28-Apr. 3, 1910.)	To carry on experiments in pecan diseases.....	70.65	Do.
Do.....	do.....	Orangeburg, Summerton, S. C., and Baconton, Ga. (Apr. 10-29, 1910.)	do.....	66.51	Do.
Do.....	do.....	Winchester, Va. (Apr. 29-May 3, 1910.)	To conduct spraying and other experiments in orchard nutrition, and investigate diseases of fruits.	18.50	Do.
Do.....	do.....	Orangeburg, S. C. (May 3-6, 1910).....	To study pecan diseases and their control.....	35.70	Do.
Do.....	do.....	Winchester, Va. (May 6-17, 1910).....	To study diseases of fruits, spraying experiments, and orchard nutrition.	41.23	Do.
Do.....	do.....	Orangeburg, Summerton, S. C., and Baconton, Ga. (May 20-29, 1910.)	To conduct experiments for the control of pecan diseases.	49.86	Do.
Do.....	do.....	Orangeburg, Summerton, S. C., and Baconton, Ga. (June 12-22, 1910.)	do.....	67.80	Do.
Do.....	do.....	Winchester, Va. (June 27-30, 1910).....	To conduct spraying and other experiments in orchard nutrition and diseases of fruits.	14.55	Do.
Ricker, Percy L.....	Assistant botanist.....	Denton, Md. (Sept. 2-8, 1910).....	To secure specimens of fruits and nuts for preservation in the economic collection.	33.15	General expenses, B.P.I., 1910. (Taxonomic and range investigations.)
Do.....	do.....	Baton Rouge, Opelousas, La.; Houston, Victoria, San Antonio, New Braunfels, Austin, Denison, Henrietta, Ardmore, Texas; Fulton, Fort Smith, Ark.; Webb City, Columbia, Mo.; Moulton, Ottumwa, Cedar Rapids, Maquoketa, Monticello, and Charles City, Iowa. (Mar. 15-Apr. 29, 1910.)	To secure horticultural material for the economic collection.	340.21	Do.

Riftue, Edward C.	Scientific assistant.	Ogden, Garland, Lehigh, Salt Lake City, Utah; Sampa City, Burley, Twin Falls, Nampa, Idaho; Fairfield, Spokane, Wash.; Chino, Hamilton, Los Angeles, Cal. (July 1-30, 1909.)	To carry on investigations and experiments in the production of single-germ beet seed, diseases of sugar beets and their control, and other pathological and physiological problems in connection with sugar-plant investigations.	317. 80	General expenses, B. P. I., 1910. (Sugar-plant investigations.)
Do.	do.	Los Angeles, Compton, Santa Ana, Visalia, Corcoran, Cal., and New Orleans, La. (Sept. 9-Oct. 18, 1909.)	To assist in harvesting and silting experimental beets, closing up the season's work in beet cultivation, and to study methods of harvesting and planting sugar cane in Louisiana.	350. 65	Do.
Do.	do.	Garden City, Kans.; Los Angeles, Compton, and Santa Ana, Cal. (Feb. 15-Mar. 29, 1910.)	To plant experimental sugar beets.	348. 50	Do.
Do.	do.	Garden City, Kans.; Los Angeles, Compton, and Santa Ana, Cal. (Jan. 8-30, 1910.)	To continue field experiments with the breeding and culture of sugar beets.	210. 35	Do.
Roberts, John W.	Scientific assistant.	Fort Valley, Ga.; Crozet, Fishersville, and Staunton, Va. (July 2-30, 1909.)	To conduct spraying and other experiments in the control of brown rot and other peach diseases.	62. 80	General expenses, B. P. I., 1910. (Fruit diseases.)
Do.	do.	Crozet, Fishersville, and Staunton, Va. (Sept. 16-Oct. 20, 1909.)	To assist in conducting spraying experiments and demonstrations for the control of fruit diseases.	73. 80	Do.
Do.	do.	Afton, Va. (Feb. 10-11, 1910.)	To investigate canker diseases of apples and secure specimens of same.	9. 30	Do.
Do.	do.	Staunton, Waynesboro, and Mount Jackson, Va. (Mar. 19, 1910.)	To assist in making selections of orchards and plan for demonstration work.	15. 45	Do.
Do.	do.	Travel between Washington, D. C., Staunton, Waynesboro, Fishersville, and Afton, Va. (Apr. 2-June 30, 1910.)	To investigate diseases of fruits and conduct spraying experiments and demonstrations for their control.	240. 25	Do.
Robinson, Thomas R.	Assistant physiologist.	Taylor's Island, Md. (July 8-10, 1909.)	To secure notes, photographs, specimens, etc., from tests of alfalfa inoculation.	11. 85	General expenses, B. P. I., 1910. (Bacteriology and nutrition.)
Do.	do.	Hartford, Conn.; Baldwinville, Fayetteville, N. Y. (Aug. 19-25, 1909.)	To take notes on alfalfa work and examine test plots showing value on inoculated hairy vetch as a fertilizer and cover crop for tobacco.	51. 17	Do.
Do.	do.	Norfolk, Va. (Mar. 7-10, 1910.)	To conduct cooperative experiments on the bacteriology of truck soils with special reference to legume inoculation.	20. 02	Do.
Do.	do.	Norfolk, Va. (May 11-14, 1910.)	do.	19. 55	Do.
Rose, Leonidas B.	Clerk in office of crop acclimatization.	San Antonio, Fallurrias, Del Rio, Victoria, Tex.; Somerton, Ariz., and Los Angeles, Cal. (Sept. 18-Nov. 9, 1909.)	To assist with experiments in the acclimatization, adaptation, and breeding of cotton and other crops.	302. 40	General expenses, B. P. I., 1910. (Crop acclimatization.)
Savage, Edward M.	Assistant in arboriculture	San Francisco, Chico, Cal.; Portland, Oreg.; Seattle, Wash.; Twin Falls, Idaho; Colorado Springs, Denver Colo.; and Yellowstone National Park. (July 25-Sept. 11, 1909.)	Study new types of dry land plums and breeding new and hardy types of citrus fruits.	102. 79	General expenses, B. P. I., 1910. (Crop physiology.)
Do.	do.	Glen St. Mary, Eustis, Miami, and Lake City, Fla. (Oct. 24-Nov. 30, 1909.)	To examine citrus hybrids, inspect citrange plantations and complete arrangements for the propagation of citranges.	114. 75	General expenses, B. P. I., 1910. (Florida subtropical garden.)



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## BUREAU OF PLANT INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Savage, Edward M.	Assistant in arboreiculture.	Auburn, Ala.; Glen St. Mary, Lake City, and Jacksonville, Fla. (Mar. 27-Apr. 15, 1910.)	To continue breeding of hardy citrus fruits and inspection of citrange plants.	\$69.89	General expenses, B. P. I., 1910. (Crop physiology.)
Schmitz, Nicholas	Collaborator.	Baltimore, Easton, Ridgely, Chestertown, Upper Fairmont, Princess Ann, Pocomoke City, Salisbury, Hurlock, Md. (Aug. 21-27, 1909.)	To inspect cooperative tests and general conditions of alfalfa, and give instructions in methods of studying forage crops.	32.29	Purchase and distribution of valuable seeds, 1910. (Forage crop investigations.)
Do.	do.	Frederick, Middletown, Brunswick, Hagerstown, and Baltimore, Md. (Sept. 20-23, 1909.)	do.	19.65	Do.
Schultz, Henry F.	Expert.	New Iberia, Avery Island, La.; Brooksville, Tampa, Gainesville, Jacksonville, Glen St. Mary, Miami, and Fustula, Fla. (Mar. 28-June 30, 1910.)	To superintend planting of bamboo plants; consult with officials, cooperators, and experimenters relative to work in progress or to be inaugurated, and inspect and arrange new experimental cooperative investigations.	126.00	Purchase and distribution of valuable seeds, 1910. (Foreign seed and plant introduction.)
Scofield, Carl S.	Agriculturist in charge of western agricultural extension.	Huntley, Mont.; Fallon, Nev.; Dorris, Cal.; Klamath Falls, Oreg.; Cheyenne, Wyo.; Mitchell, Neb.; Bellefourche, S. Dak.; and Minneapolis, Minn. (Aug. 2-Sept. 12, 1909.)	To consult with officials of experiment stations concerning cooperative and other features of station field work; to attend meeting of the Cooperative Experiment Association of the Great Plains area, and inspect work under supervision of the Office of Western Agricultural Extension.	454.47	General expenses, B. P. I., 1910. (Florida subtropical garden.)
Do.	do.	San Antonio, Tex.; Yuma, Maricopa, Sacaton, Ariz.; Los Angeles, San Francisco, Orwood, Cal. and Fallon, Nev. (Oct. 18-Nov. 18, 1909.)	To inspect cooperative experiments and supervise and direct work of the field stations conducted by the Office of Western Agricultural Extension.	278.25	General expenses, B. P. I., 1910. (Western agricultural extension.)
Do.	do.	St. Louis, Mo.; San Antonio, Tex.; Yuma, Ariz.; Los Angeles, Fresno, Davisville, Mayville, Chico, Bradford's Island, Rio Vista, San Francisco, Sacramento, Cal., and Fallon, Nev. (Apr. 6-May 12, 1910.)	To study alfalfa specimens and literature in botanical gardens and herbariums; arrange cooperative experiments with growers of Egyptian cotton; consult authorities on agricultural work; and inspect and supervise work on experiment farms conducted by the bureau.	255.60	Do.
Scott, William M.	Pathologist.	Mount Jackson, Va. (July 7-8, 1909).;	To conduct spraying experiments and demonstrations for the control of apple diseases.	11.92	General expenses, B. P. I., 1910. (Fruit diseases.)
Do.	do.	New York City. (July 9-16, 1909).;	To inspect test-crop of sprayed fruit from Georgia experimental plots.	32.38	Do.
Do.	do.	Crozet, Staunton, Va. (July 25-Aug. 3, 1909.)	To conduct spraying experiments.....	48.05	Do. Do.

Do.....	Do.....	Stanton and Fishersville, Va. (Aug. 20-21, 1909.)	To demonstrate results of spraying experiments for the control of diseases of fruits.	9.85	Do.
Do.....	Do.....	Bluemont, Va. (Sept. 13, 1909.)	To investigate apple and peach diseases.	2.80	Do.
Do.....	Do.....	Crozet, Staunton, and Mount Jackson, Va. (Sept. 12-Oct. 12, 1909.)	do.....	48.25	Do.
Do.....	Do.....	Atlanta, Barnesville, Fort Valley, and Cornelia, Ga. (Feb. 14-22, 1910.)	To arrange with peach growers for conducting spraying demonstrations in combating and controlling peach diseases.	66.87	Do.
Do.....	Do.....	Waynesboro, Staunton, and Fishersville, Va. (Mar. 17-19, 1910.)	To select orchards and arrange for demonstration work.	13.40	Do.
Do.....	Do.....	Barnesville, Fort Valley, Cornelia, Baldwin, Atlanta, and Macon, Ga. (Mar. 28-Apr. 11, 1910.)	To conduct spraying and other experiments for the control of fruit diseases.	99.22	Do.
Do.....	Do.....	Blacksburg, Va.; Atlanta, Fort Valley, and Barnesville, Ga. (Apr. 12-25, 1910.)	To conduct work in progress and inaugurate new spraying experiments and demonstrations.	62.62	Do.
Do.....	Do.....	Okonoko, W. Va. (May 10-13, 1910.)	To conduct spraying experiments in the control of peach diseases.	14.39	Do.
Do.....	Do.....	Waynesboro, Staunton, and Mount Jackson, Va. (May 16-19, 1910.)	To investigate results of spraying experiments in apple orchards.	14.90	Do.
Do.....	Do.....	Fort Valley, Columbus, Warm Springs, and Barnesville, Ga. (May 27-June 5, 1910.)	To continue spraying experiments and demonstrations for the control of fruit diseases.	63.86	Do.
Do.....	Do.....	Hancock, Md., and Okonoko, W. Va. (June 14-18, 1910.)	do.....	10.91	Do.
Do.....	Do.....	Waynesboro, Staunton, Roanoke, Va. and Cornelia, Ga. (June 27-30, 1910.)	To investigate diseases of apples, peach, and other orchard fruits, and conduct spraying experiments and demonstrations for their control.	30.70	Do.
Shamel, Archibald D.....	Physiologist.....	Pasadena, Corona, Santa Barbara, Los Angeles, Azusa, Riverside, San Dimas, Santa Paula, Corona, San Diego, and San Bernardino, Cal. (July 5, 1909-June 27, 1910.)	Visit packing houses, storage warehouses, exchanges, nurseries, and groves; inspecting fruit and testing yield of trees; picking and arranging fruit for cold storage experiments, and other details in connection with the improvement of citrus fruits and transportation and storage investigations.	617.79	General expenses, B. P. I., 1910. (Pomological investigations.)
Shanahan, John D.....	Crop technologist in charge of grain standardization.	Fort Wayne, Ind.; Decatur, Pontiac, Bloomington, Clinton, Ill.; Buffalo, N. Y., and Philadelphia, Pa. (Aug. 3-Sept. 2, 1909.)	Examining commercial corn in cribs making moisture tests and recording data related thereto; conferring with grain dealers, and inspecting and supervising work of the branch laboratories.	583.11	General expenses, B. P. I., 1910. (General plant breeding.)
Do.....	Do.....	Baltimore, Md.; Pittsburg, Pa.; Indianapolis, Ind., and Louisville, Ky. (Oct. 4-10, 1909.)	To attend meeting of the Grain Inspectors' and Grain Dealers' National Associations, and confer with authorities relative to problems in connection with transportation, storage, and commercial grading of grains.	166.89	General expenses, B. P. I., 1910. (Grain standardization.)
Do.....	Do.....	Baltimore, Md., and New York City. (Nov. 21-23, 1909.)	To confer with assistants regarding future laboratory experiments.	87.61	Do.
Do.....	Do.....	Chicago, Decatur, Ill.; Minneapolis and St. Paul, Minn.; Fargo, N. Dak.; St. Louis, Mo.; Toledo, Ohio, and Buffalo, N. Y. (Feb. 4-19, 1910.)	To confer with assistants regarding future laboratory work; inspect grain cleaning machinery and confer with dealers regarding grain standardization investigations.	23.45	Do.
				160.91	Do.



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## BUREAU OF PLANT INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Shanahan, John D.....	Crop technologist in charge of grain standardization.	Norfolk and Newport News, Va. (Mar. 14-16, 1910.)	To examine corn in hold of steamship en route to Europe in connection with bureau investigations.	\$12.95	General expenses, B. P. I., 1910. (Grain standardization.)
Do.....	do.....	Baltimore, Md. (Apr. 16 and May 5, 1910.)	To supervise work at the laboratory.....	4.25	Do.
Do.....	do.....	Columbus, Ohio; Decatur, Chicago,* Ill.; Kansas City, St. Louis, Mo.; Fargo, N. Dak.; Minneapolis, Minn.; Buffalo, New York, N. Y., and Philadelphia, Pa. (June 5-30, 1910.)	To attend meetings of Grain Dealers' Association and Operative Millers of America; inspect and carry on work of investigating the handling, transporting, and grading of grains in connection with the Office of Grain Standardization.	225.77	Do.
Shantz, Homer L.....	Expert.....	Akron, Yuma, Wray, Colorado Springs, Colo.; Cheyenne, Wyo.; Lincoln, Hyannis, Crawford, Chadron, Nebr., and Chicago, Ill. (July 1-Nov. 16, 1909.)	To investigate the physiology of drought-resistance and the indicator value of the native vegetation.	398.59	General expenses, B. P. I., 1910. (Alkali and drought-resistant plants.)
Do.....	do.....	Baton Rouge, La.; Fort Worth, Amarillo, Tex.; Colorado Springs, Akron, and Yuma, Colo. (Apr. 4-23, 1910.)	do.....	188.55	Do.
Do.....	do.....	Akron, Yuma, and Wray, Colo. (June 3-30, 1910.)	do.....	131.40	Do.
Shaw, Harry B.....	Scientific assistant.....	Salt Lake City, Lehi, Saratoga, Thatcher, Dewey, Garland, Utah; Blackfoot, Sugar City, Idaho Falls, Burley, and Nampa, Idaho. (July 1-Nov. 1, 1909.)	To conduct work on production of single germ beed seed, diseases of sugar beets and methods of controlling them, and other pathological and physiological problems in connection with sugar plant investigations.	455.58	General expenses, B. P. I., 1910. (Sugar plant investigation.)
Do.....	do.....	Garden City, Kans.; Salt Lake City, Lehi, Saratoga, and Garland, Utah. (Apr. 1-17, 1910.)	do.....	118.07	Do.
Do.....	do.....	Garland, Salt Lake City, Lehi, and Nephi, Utah; Denver and Rocky Ford, Colo.; Phoenix, Glendale, Tempe, and Kyrene, Ariz., and Garden City, Kans. (May 1-June 30, 1910.)	do.....	204.00	Do.
Shear, Cornelius L.....	Pathologist.....	Kendall, Fredonia, Mayville, and Chautauque, N. Y.; North East, Erie, Girard, Pa.; Wooster, Ohio, Lawton, Paw Paw, Mich., and Mather, Wis. (Aug. 3-19, 1909.)	To investigate grape, cranberry, and other small fruit diseases, and inspect spraying experiments.	105.49	General expenses, B. P. I., 1910. (Fruit diseases.)
Do.....	do.....	Vineland, Elwood, N. J., and Philadelphia, Pa. (Aug. 25-28, 1909.)	do.....	20.54	Do.



Do.....	do.....	Newark, Viola, Woodside, Bridgeville, Dover, and Clayton, Del. (May 9-12, 1910.)	To investigate small fruit diseases, especially double blossoms and witches' broom of dewberry and grape, and strawberry diseases.	15.02	Do.
Do.....	do.....	Vineland, Egg Harbor, N. J., and Philadelphia, Pa. (May 16-19, 1910.)	To investigate grape, cranberry, strawberry, and other small fruit diseases.	21.97	Do.
Do.....	do.....	Boston and Amherst, Mass. (June 20-26, 1910.)	To investigate cranberry and other small fruit diseases, and arrange cooperative experiments with the Massachusetts Agricultural Experiment Station.	44.75	Do.
Shear, William V.....	Scientific assistant.....	Norfolk, Va. (July 12-15, 1909).....	To assist in the harvesting of experimental plants at the Virginia Truck Experiment Station, and to investigate the potato crops.	20.85	General expenses, B. P. I., 1910. (Arlington farm and horticulture.)
Do.....	do.....	New York, Mattituck, N. Y.; Philadelphia, Pa., and Hammoniton, N. J. (July 21-24, 1909.)	To investigate crop and market conditions and harvesting of potatoes.	26.08	Do.
Do.....	do.....	Norfolk, Portsmouth, and Churchland, Va. (Aug. 9-11, 1909.)	To investigate the potato industry.....	14.80	Do.
Do.....	do.....	Boston, Mass.; Bangor, Fort Fairfield, Caribou, Me.; Mattituck and New York, N. Y. (Sept. 8-24, 1909.)	do.....	103.47	Do.
Do.....	do.....	Louisville, Ky. and Staunton, Va. (Oct. 26-30, 1909.)	do.....	58.15	Do.
Do.....	do.....	Norfolk, Diamond Springs, Portsmouth, Cape Charles, Onley, Churchland, Va.; Salisbury, and Pocomoke, Md. (Mar. 8-18, 1910.)	To inspect potato seed and plantings.....	47.58	Do.
Do.....	do.....	Mattituck, Brooklyn, and New York, N. Y. (Apr. 7-13, 1910.)	To inspect planting of potatoes, especially in connection with fertilizer tests in progress.	30.57	Do.
Do.....	do.....	Staunton and Middleburg, Va. (Apr. 19-24, 1910.)	To supervise preparation of ground and planting of potatoes on fertilizer test plots.	16.55	Do.
Do.....	do.....	Norfolk and Diamond Springs, Va. (May 6-7, 1910.)	To inspect cooperative experiments with potatoes in connection with the fertilizer test plots.	16.06	Do.
Do.....	do.....	Mattituck, L. I. (June 7-10, 1910).....	To assist with the potato experimental work conducted by the Department.	22.92	General expenses, B. P. I., 1910. (Cotton and truck diseases.)
Do.....	do.....	Norfolk and Diamond Springs, Va. (June 26-29, 1910.)	To supervise and take notes on the digging of potatoes in experimental fertilizer test plots in cooperation with the Virginia Truck Experiment Station.	17.20	General expenses, B. P. I., 1910. (Arlington farm and horticulture.)
Shoemaker, Daniel M.....	Expert.....	Auburn, Ala. (July 26-30, 1909).....	To give talks on "Plant breeding" and "Cotton wilt" before a farmers' school in connection with the State Agricultural Experiment Station and inspect cotton-breeding work.	61.12	General expenses, B. P. I., 1910. (Cotton breeding.)
Do.....	do.....	Lamar, S. C.; Jackson, Tenn.; Shreveport, La.; Palestine, San Antonio, Waco, Paris, Fallurrias, and Lockhart, Tex. (Sept. 13-Oct. 31, 1909.)	To consult with bureau officials and others relative to cotton-breeding work, make breeding records, and obtain selections of varieties and strains under experimental cultivation.	316.17	Do.
Do.....	do.....	Salisbury, Md. (May 4-7 and May 24, 1910.)	To inspect the trucking industry, especially plantings of watermelons and muskmelons.	41.26	General expenses, B. P. I., 1910. (Arlington farm and horticulture.)
Do.....	do.....	Seaford, Bridgeville, Del., and Salisbury, Md. (June 2-4, 1910.)	To study varieties of peas grown for canning.....	16.34	Do.

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## BUREAU OF PLANT INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Sievers, Arthur F.....	Chemical biologist.....	Madison, Wis.; Pasadena, Los Angeles, Whittier, Santa Paula, San Diego, Pomona, Riverside, Santa Ana, San Dimas, San Fernando, Lefingwell, and Corona, Cal. (Aug. 2-Dec. 11, 1909.)	To investigate the practicability of testing the keeping qualities of lemons and other work on the utilization of lemon by-products and lemon curing.	\$450.95	General expenses, B.P.I., 1910. (Drugs and other plants.)
Steels, H. C.....	Scientific assistant.....	Philopolis, Md. (Apr. 22, 1910).....	Conference with officials of Baltimore County Agricultural School and Maryland Agricultural College and Experiment Station in relation to the utilization of school farm and equipment for agricultural educational purposes.	3.07	Agricultural experiment stations, 1910. (Farmers' institute.)
Smith, Clarence B.....	Agriculturist.....	Wooster, Tiffin, Arlington, Mechanicsburg, Columbus Grove, Ohio; Monroe, Ann Arbor, Lawton, Huron, Menominee, Lansing, Mich.; St. Louis, Columbia, Conway, Marionville, Hume, Kearney, Callao, Mo.; Otumwa, Ames, Sigourney, Iowa; Monroe, Waukesha, and Weyanwago, Wis. (Aug. 18-Oct. 6, 1909.)	To study commercial farm seed production and investigate methods of farm management and practice.	258.87	General expenses, B.P.I., 1910. (Farm management.)
Do.....	do.....	Gaylord, Mich.; Fargo, N. Dak.; Salem, Ind. (Nov. 29-Dec. 11, 1909.)	To confer with cooperative farmers and others relative to rotations, cropping systems, and other farm-management problems.	126.38	Do.
Do.....	do.....	Bangor, Me. (Mar. 7-11, 1910)	do.	51.80	Do.
Do.....	do.....	Barnesville, Mansfield, Wooster, Columbus, Carpenter, Ohio; Indianapolis, Bloomington, Ind. (Mar. 17-Apr. 6, 1910.)	To systematize cooperative work between the bureau and the Ohio Experiment Station and aid in the organization of farms which are to cooperate in teaching agriculture and general advancement of farm-management work.	108.67	Do.
Do.....	do.....	Centerville and Easton, Md. (Apr. 11-16, 1910.)	To study cropping systems and methods of farm management in relation to equitable systems of tenant farming.	23.50	Do.
Do.....	do.....	Gaylord, Grayling, Lewiston, Roscommon, Saginaw, Bay City, Gladwin, Cadillac, Muskegon, Baldwin, Kingsley, Sherman, Kalkaska, Menominee, Lake City, Reed City, White Cloud, Freemont, Lansing, Mich., and Ithaca, N. Y. (Apr. 25-June 8, 1910.)	To arrange cooperative work in farm management on potato and clover seed farms; studying problems in cropping systems on cut-over timber lands in new sections, and conferences with bureau officials and others relative to farm management and practice.	190.75	Do.

### EXPENDITURES FOR TRAVEL.

Do.....	do.....	Lansing, Bay City, Alpena, Cheboygan, Grayling, and Gaylord, Mich. (June 24-30, 1910.)	42. 45	Do.
Spaulding, Perley.....	Pathologist.....	Saranac Lake, Essex, Cold Spring, N. Y.; Burlington, Randolph, Woodstock, Vt.; Newport, Concord, N. H.; Boston, Springfield, Gardner, Mass.; Hartford, Middlebury, Greenwich, Conn.; Bingham, Me., and other points in States named. (July 1-Nov. 3, 1909.)	420. 66	General expenses, B. P. I., 1910. (Forest pathology.)
Do.....	do.....	Boston, Cambridge, Mass.; New Haven, Conn.; New York and Westbury, N. Y. (Dec. 24, 1909-Jan. 7, 1910.)	59. 09	Do.
Do.....	do.....	New York, Westbury, N. Y., and Philadelphia, Pa. (Mar. 27-31, 1910.)	33. 97	Do.
Do.....	do.....	Albany, Westbury, Mineola, Roslyn, Saranac Inn, Lake Clear Junction, N. Y.; Granby, Hartford, Conn.; Boston, Mass.; Newport, Compton, N. H., and Stockbridge, Vt. (Apr. 20-June 30, 1910.)	233. 51	Do.
Spillman, William J.....	Agriculturist in charge of farm management.	Knoxville, Tenn.; Atlanta, Ga.; Auburn, Montgomery, Ala.; Beaumont, Stephenville, Tex.; Tulsa, Okla.; Monetti, Mo.; Palmer, Ill.; Medina, Hilton, Syracuse, Rochester, Massena Center, Cutchogue, N. Y.; Tariffville, Conn., and Philadelphia, Pa. (July 13-Aug. 22, 1909.)	276. 10	General expenses, B. P. I., (Farm management.)
Do.....	do.....	Wiley, Blacksburg, Fishersville, Va.; Tazewell, Dandridge, Sevierfield, Morristown, Tenn., and Calhoun, La. (Sept. 15-28, 1909.)	102. 65	Do.
Do.....	do.....	Rippey, Iowa; Wichita, Iola, Kans.; Stotts City, Logan, Aurora, Mo., and Palmer, Ill. (Oct. 4-20, 1909.)	116. 23	Do.
Do.....	do.....	North East, Md., and Manassas, Va. (Nov. 6-12, 1909.)	6. 60	Do.
Do.....	do.....	Lincoln, Omaha, Nebr.; Des Moines, Iowa, and Columbia, Mo. (Dec. 4-15, 1909.)	97. 03	Do.
Do.....	do.....	State College, Pa.; Boston, Mass.; Albany, N. Y.; Durham, N. H.; Orono and Portland, Me. (Dec. 26, 1909-Jan. 10, 1910.)	83. 07	Do.



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## BUREAU OF PLANT INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Spillman, William J.....	Agriculturist in charge of farm management.	Topeka, Kans.; Fargo, N. Dak. (Jan. 12-20, 1910.)	To give address on farm management and inspect work of experiment stations.	\$113.60	General expenses, B. P. I., (Farm management.)
Do.....	do.....	Richmond, Va. (Feb. 1-2, 1910).....	To address the State farmers' institute on "types of farm management."	11.70	Do.
Do.....	do.....	Frankford, Philadelphia, Pa.; New York, Brooklyn, and Cold Spring Harbor, N. Y. (Mar. 6-11, 1910)....	To assist in formulating working plans and definite systems of management for farms in connection with bureau investigations.	25.80	Do.
Do.....	do.....	Minneapolis, Minn.; Holly, Colo.; and Wentworth, Mo. (Mar. 21-Apr. 1, 1910.)	To investigate systems of farm management with special reference to sugar beet culture and confer with authorities on farm management studies.	124.97	Do.
Do.....	do.....	Albany, Ithaca, N. Y., and Baltimore, Md. (Apr. 5-9, 1910.)	To give addresses on farm management subjects and inspect cooperative work.	34.04	Do.
Do.....	do.....	St. Louis, Mo. (May 3-10, 1910).....	To confer with state authorities and experiment station officials concerning cooperative work in farm management.	73.64	Do.
Do.....	do.....	Mount Upton, Ithaca, N. Y.; Wooster, Ohio; Madison, Janesville, Wis.; and Columbia, Mo. (June 4-13, 1910.)	To confer with experiment station officials concerning cooperative work and investigate systems of farm management.	111.99	Do.
Stephens, David E.....	Executive assistant.....	Blacksburg, Va. (June 26-28, 1910)....	To take notes on the buckwheat experiments conducted by the Office of Grain Investigations in cooperation with the Virginia Agricultural Experiment Station.	20.05	General expenses, B. P. I., 1910. (Grain investigations.)
Stockberger, Warner W.....	Pharmacognosist.....	Norfolk, Va., and vicinity; Florence, Timmonsville, Hartsville, Charleston, S. C.; Jacksonville, St. Johns Summa, Palatka, Orange City, Tampa, St. Petersburg, Keystone Park, Tarpon Springs, Titusville, Miami, Fla.; Chattanooga and Knoxville, Tenn. (Oct. 4-Nov. 1, 1909.)	To arrange for experimental cultivation of tannin plants, collect roots, seeds, and samples of tannin plant material for laboratory studies, and confer with authorities on the work.	155.11	General expenses, B. P. I., 1910. (Drug and other plants.)
Straughn, M. N.....	Scientific assistant.....	Clemson College, S. C., and Gainesville, Fla. (July 13-15, 1909.)	To select and harvest seed from the cooperative breeding plats of sweet corn.	40.60	General expenses, B. P. I., 1910. (Grain investigations.)
Stuart, William.....	Expert.....	Burlington, St. Albans, Vt.; Port Huron, Gaylord, Mich.; Maniello, Waupaca, Wis.; St. Anthony Park, Minn.; Fargo, N. Dak.; and other points in States named. (Aug. 29-Sept. 17, 1909.)	To inspect variety tests of potatoes.....	144.89	General expenses, B. P. I., 1910. (Cotton and truck diseases.)

Do.....do.....	Shellsburg, Honeoye Falls, West Rush, N. Y.; Dorset, Burlington, and St. Albans, Vt. (Sept. 21-Oct. 23, 1909.)	.....do.....	94. 10	Do.	General expenses, B. P. I., 1910. (Arlington farm and horticulture.)
Do.....do.....	Lenoir Hickory, Statesville, and Taylorsville, N. C. (Nov. 27-Dec. 1, 1909.)	.....do.....	34. 55	Do.	General expenses, B. P. I., 1910. (Arlington farm and horticulture.)
Do.....do.....	Burlington, Vt., and New York City. (Feb. 14-18, 1910.)	.....do.....	42. 58	Do.	General expenses, B. P. I., 1910. (Cotton and truck diseases.)
Do.....do.....	Carlsbad, N. Mex.; Los Angeles, Fair Oaks, Sunnyville, Middle River, Stockton, Cal.; and Greeley, Colo. (Mar. 5-May 2, 1910.)	.....do.....	291. 90	Do.	General expenses, B. P. I., 1910. (Cotton and truck diseases.)
Do.....do.....	Burlington, St. Albans, Vt.; Chazy, Mattituck, and New York, N. Y. (May 22-June 9, 1910.)	.....do.....	66. 21	Do.	General expenses, B. P. I., 1910. (Arlington farm and horticulture.)
Do.....do.....	Norfolk, Diamond Springs, and Portsmouth, Va. (June 16-19, 1910.)	.....do.....	15. 65	Do.	Do.
Do.....do.....	Norfolk, Diamond Springs, and Portsmouth, Va. (June 26-29, 1910.)	.....do.....	16. 30	Do.	Do.
Stubenrauch, Arnold V. Expert.....	Winter Park, Florence Villa, Arcadia, Fort Myers, Tampa, Bradentown, Gainesville, and adjacent points in Florida. (Jan. 28-Feb. 9, 1910.)	.....do.....	161. 40	Do.	General expenses, B. P. I., 1910. (Pomological investigations.)
Do.....do.....	Ithaca, N. Y.; North East, Pa.; Lawton, Mich.; Berkeley, Los Angeles, Riverside, San Diego, Cal.; Corvallis, Portland, Ore.; and other points in States named. (Feb. 14-May 26, 1910.)	.....do.....	602. 30	Do.	Do.
Taylor, James A. Clerk.....	Bellefourche, S. Dak., and Huntley, Mont. (July 9-Sept. 8, 1909.)	.....do.....	205. 55	Do.	General expenses, B. P. I., 1910. (Western agricultural extension.)
Taylor, William A. Pomologist in charge of field investigations in pomology.....	Buffalo, N. Y.; St. Catharines, Ontario, Grand Rapids, Mich.; Chicago, Ill.; Gravette, Rogers, Ark.; and Neosho, Mo. (Sept. 11-Oct. 5, 1909.)	.....do.....	110. 61	Do.	General expenses, B. P. I., 1910. (Pomological investigations.)
Do.....do.....	Colon, Ancon, Panama, Culebra, and other points in the Republic of Panama. (Nov. 13-Dec. 22, 1909.)	.....do.....	233. 00	Do.	Do.
Tenny, Lloyd S. Pomologist.....	Martinsburg and Hancock, W. Va. (Nov. 3-5, 1909.)	.....do.....	8. 64	Do.	Do.
Do.....do.....	Jacksonville, Bradentown, Tampa, Winter Park, Florence Villa, Fort Myers, and other points in Florida. (Dec. 7, 1909-Feb. 12, 1910.)	.....do.....	360. 36	Do.	Do.

*Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.*

## BUREAU OF PLANT INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Thomson, Edward H....	Expert.....	Delhi, N. Y.; Caribon, Bangor, Presque Isle, Waterville, Me.; Boston, Mass.; Milford, Keene, Durham, Amherst, Hampton Falls, Hollis, West Stewartstown, Colebrook, Lancaster, Whitefield, Lisbon, Woodsville, N. H.; Burlington, Morrisville, and Stowe, Vt. (May 26-June 30, 1910.)	To secure and consult cooperators; investigate and collect data on farm economies and cost of farm operations.	\$207. 00	General expenses, B. P. I., 1910. (Farm management.)
Tidestrom, Ivar.....	Scientific assistant.....	Mount Carbon, Colo.; Nephi, Ephraim, Salt Lake City, Utah; Shoshone, Hailey, Idaho; Ryan, Ariz., and other points in States named. July 1-Oct. 7, 1909.)	Continuation of season's work in studying poisonous plants of the western stock ranges.	217. 55	General expenses, B. P. I., 1910. (Drug and other plants.)
Do.....	do.....	Prescott and Congress Junction, Ariz. (Jan. 31-Feb. 7, 1910.)	To investigate poisonous plants with special reference to stock poisoning.	175. 55	Do.
Do.....	do.....	Denton, Md. (Mar. 30-Apr. 2, 1910)....	To secure flowering specimens of various horticultural varieties of plums.	3. 90	General expenses, B. P. I., 1910. (Taxonomic and range investigations.)
Do.....	do.....	Denton, Md. (Apr. 7-10, 1910).....	do.....	7. 45	Do.
Do.....	do.....	Gunnison and Mount Carbon, Colo. (May 12-31, 1910.)	To carry on field work in poisonous plant investigations.	64. 50	General expenses, B. P. I., 1910. (Drug and other plants.)
Do.....	do.....	Mount Carbon, Gunnison, Colo.; Al-turas, Hot Springs, Cal.; Lake View, Oreg., and vicinity. (June 1-30, 1910.)	do.....	148. 20	Do.
Townsend, Charles O....	Pomologist in charge of sugar plant investigations.	Toledo, Fremont, Ohio; Blissfield, Erie, Mount Clemens, Milan, Greenville, Adrain, Bay City, Mich., and Brookings, S. Dak. (July 2-21, 1909.)	To inspect experiments in progress with sugar beets; inaugurate new investigations and other pathological and physiological problems in connection with the sugar-plant industry.	173. 46	General expenses, B. P. I., 1910. (Sugar plant investigations.)
Do.....	do.....	Toledo, Fremont, Ohio; Bay City, Adrian, Essexville, Erie, Blissfield, and Mount Clemens, Mich. (Sept. 2-11, 1909.)	To investigate diseases of sugar beets.....	90. 28	Do.
Do.....	do.....	New Orleans, La.; Phoenix, Glendale, Ariz.; Los Angeles, Compton, Santa Ana, Middle River, Hamilton, Alvarado, Cal.; Salt Lake City, Lehi, Garland, Utah; Billings, Mont.; Detroit, Saginaw, Bay City, Alna, Mich.; Blissfield, Toledo, and Fremont, Ohio. (Sept. 22-Nov. 12, 1909.)	To study methods of planting and harvesting sugar cane; sowing sugar beets for experimental purposes; consulting sugar company officials and others in connection with sugar-plant investigations.	523. 33	Do.



Do.....	Do.....	To address farmers' meetings on the subject of sugar-beet culture; investigate the utilization of beet pulp and other by-products; inaugurate experiments, etc.	61.40	Do.
Tracy, J. E. W.....	Assistant superintendent of testing gardens.	To inspect and test sugar beet, vegetable and flower seeds in connection with the work of congressional seed distribution.	\$320.19	Purchase and distribution of valuable seeds 1910. (Congressional seed distribution.)
Do.....	Do.....	.....do.....	19.95	Do.
Do.....	Do.....	To inspect seed crops being grown for the department, seed farms, sugar-beet experimental, and other sugar-beet fields, and consult with officers of sugar factories and seed firms.	196.76	Do.
Tracy, William W., sr.....	Superintendent of testing gardens.	To inspect the variety trials of truck crops at the experiment station and vicinity.	17.90	General expenses, B. P. I., 1910. (Arlington farm and horticulture.)
Do.....	Do.....	To inspect the trials of garden vegetables.....	60.67	Do.
Do.....	Do.....	To inspect and take notes on trials of Malakhof corn and other vegetables.	23.34	Do.
Do.....	Do.....	To inspect and test trial vegetables.....	38.70	Do.
Do.....	Do.....	To inspect the growing of vegetables under glass and address the meeting of the New Jersey State Horticultural Society.	11.75	Do.
Do.....	Do.....	To study the pea-canning industry.....	14.84	Do.
Do.....	Do.....	To attend a meeting of the American Seed Trade Association and inspect variety trial grounds in that section.	22.20	Do.
Do.....	Do.....	To inspect cooperative work in drug-plant and tea-culture investigations, and the culture and utilization of camphor and volatile oil plants.	81.35	General expenses, B. P. I., 1910. (Drug and other plants.)
True, Rodney H.....	Physiologist in charge of drug and other plants.			

Paulding, Toledo, Fremont, Ohio, and Blissford, Mich. (Dec. 26, 1909-Jan. 2, 1910.)

Bellingham, Wash.; Portland, Union, Nyssa, Oreg.; Greeley, Windsor, Fort Collins, Loveland, Denver, Rocky Ford, Colo.; Lakin, Piqua, Kans.; Enid, Lawrence, Okla.; Chicago, Ill.; Waterloo, Sioux City, Iowa; Milwaukee, Wis.; Menominee, Petoskey, Freeport, Lansing, Owosso, Alma, Agricultural College, Adrian, Blissfield, Detroit, Mich.; Geneva, Cambridge, New York, N. Y., and Philadelphia, Pa. July 1-Aug. 16, 1909.)

Summit, N. J.; Milford, New Haven, Conn.; Mattituck and Floral Park, N. Y. (Sept. 15-18, 1909.)

Kansas City, Lawrence, Garden City, Lakin, Kans.; Salt Lake City, Utah; San Jose, San Francisco, Palo Alto, Gilroy, Hollister, San Juan, Antioch, and Stockton, Cal. (June 17-30, 1910.)

Norfolk and Diamond Springs, Va. (Aug. 10-12, 1909.)

Salisbury, Md.; Laurel, Del.; Morristown, Camden, N. J.; Bristol, Pa.; New Haven, Hockanum, Williamston, Storrs, Conn.; Taunton and Boston, Mass. (Aug. 23-31, 1909.)

Jeffersonville, Rutland, Vt., and New York City. (Sept. 27-28, 1909.)

Ashtabula and Cleveland, Ohio. (Oct. 10-15, 1909.)

Trenton, N. J. (Dec. 20-23, 1909) . . . .

Seaford, Bridgeville, Del.; Salisbury and Baltimore, Md. (June 2-4, 1910.)

Atlantic City, N. J., and Doylestown, Pa. (June 21-24, 1910.)

Jacksonville, Orange City, Fla.; Charleston, Summerville, Florence, Ebenezer, Timmons ville, Cameron, St. Matthews, S. C. (Sept. 26-Oct. 6, 1909.)

*Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.*

## BUREAU OF PLANT INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
True, Rodney H.....	Physiologist in charge of drug and other plants.	New York City. (Oct. 19-23, 1909).....	To consult spice grinders in regard to marketing the experimental crop of red peppers grown under cooperation in South Carolina, and investigate lemon storage problems and other phases of drug-plant work.	\$35. 05	General expenses, B. P. I., 1910. (Drug and other plants.)
Do.....	do.....	Baltimore, Md. (Mar. 21, 1910).....	To consult spice grinders and crude-drug dealers on matters related to the work of drug-plant investigations.	2. 65	Do.
Do.....	do.....	Richmond, Va. (May 4-7, 1910).....	To attend the meeting of the American Pharmaceutical Association and secure information on problems related to the study of drug plants.	19. 00	Do.
Do.....	do.....	Madison, Wis. (June 18-30, 1910).....	To inspect work in progress and confer with authorities regarding laboratory phases of drug-plant investigations.	65. 52	Do.
Vinall, Harry N.....	Scientific assistant.	Hartwick, Iowa; Kansas City, Mo.; Caney, Manhattan, Abilene, Kans.; San Antonio, Chillicothe, Amarillo, Dalhart, Tex.; Edgemont, Belle-fourche, Deadwood, S. Dak.; Billings, Hobson, Judith Basin, Brandon, Mont.; Dickinson, Leeds, N. Dak.; St. Anthony Park, Minn.; Monte Vista, La Jara, Akron, and Cheyenne, Wyo. (Aug. 1-30, 1909.) New London, Ohio. (Sept. 13-18, 1909.)	To carry on investigations in the testing and extension of true grasses and other forage crops.	256. 65	Purchase and distribution of valuable seeds, 1910. (Forage-crop investigations.)
Do.....	do.....	Manhattan, Kans.; Akron, Colo.; Mitchell, Minnatare, North Platte, Alliance, Mullen, Fredford, Halsey, Anselmo, Broken Bow, Francis, Aurora, Ericson, Sheridan, Nebr. (May 26-June 30, 1910.) Columbia, Mo. (Sept. 27, 1909-June 29, 1910.)	To superintend the planting of timothy selections for testing at the Ohio Forage Crop Breeding Station. To inspect tests under cultivation and complete the planting of forage-crop seeds introduced from abroad.	51. 10	Do.
Do.....	do.....	Winchester, Va. (July 3-6, 1909).....	Making mechanical purity tests of samples of seed in the seed laboratory.	167. 53	Purchase and distribution of valuable seeds, 1910. (Foreign seed and plant introduction.)
Waddle, Norma.....	do.....		To conduct investigations and experiments in connection with orchard nutrition and apple diseases.	98. 50	General expenses, B. P. I., 1910. (Seed-testing laboratories.)
Waite, Merton B.....	Pathologist in charge of fruit diseases.			11. 86	General expenses, B. P. I., 1910. (Fruit diseases.)

Do.....	do.....	Orangeburg, S. C. (July 12-15, 1909)...	To carry on spraying experiments for the control of pecan diseases.	38. 10	Do
Do.....	do.....	Orangeburg, S. C. (July 20-29, 1909)...	do.....	37. 45	Do
Do.....	do.....	Winchester, Va. (Aug. 4-6, 1909).....	Investigations and experiments in connection with orchard nutrition and apple diseases.	7. 03	Do
Do.....	do.....	Orangeburg, S. C. (Aug. 17-21, 1909)...	To continue spraying experiments for the control of pecan diseases.	36. 45	Do
Do.....	do.....	Martinsburg, W. Va. (Aug. 24-25, 1909.)	To investigate apple and peach diseases	12. 71	Do
Do.....	do.....	Huntington, W. Va.; Toledo, Gypsum, Ohio; Grand Rapids, Saugatuck, Detroit, Mich.; Buffalo, Lewiston, Youngstown, N. Y., and St. Catharines, Canada. (Sept. 5-18, 1909.)	do.....	95. 56	Do.
Do.....	do.....	Winchester, Va. (Sept. 20-22, 1909)...	To secure results of spraying experiments in connection with apple diseases and orchard nutrition.	13. 06	Do.
Do.....	do.....	Winchester, Va. (Sept. 27-30, 1909)...	do.....	15. 66	Do
Do.....	do.....	Orangeburg, S. C.; Thomasville, Baconton, De Witt, Cairo, Ga., and Monticello, Fla. (Oct. 18-27, 1909.)	To record results of investigations and experiments for the control of pecan diseases.	68. 05	Do
Do.....	do.....	Shepherdstown, W. Va., and Winchester, Va. (Nov. 10-11, 1909.)	To investigate cause of nonproductiveness of apple orchards in that vicinity.	12. 17	Do.
Warburton, Clyde W....	Agronomist.....	McLean, Ill.; Ames, Independence, Iowa; St. Paul, Minn.; Brookings, Highmore, Bellefourche, Deadwood, S. Dak.; Bozeman, Broadview, Philbrook, Mont., and Dickinson, N. Dak. (July 7-Aug. 26, 1909.)	To conduct investigations with oats, including study of varieties, specimens in cross breeding and selection, development of hardy winter crops, methods of cultivation, etc.	256. 04	General expenses, B. P. I., 1910. (Grain investigations.)
Do.....	do.....	Ames, Iowa. (Mar. 23-Apr. 5, 1910)....	To superintend the planting of oat hybrids and selections of the cooperative grain experimenters at the Iowa Agricultural Experiment Station.	79. 32	Do.
Wester, Peter J.....	Gardener.....	Miami, Fla. (Aug. 10-Oct. 21, 1909)....	To assist in turning over the subtropical garden to the Subtropical Laboratory Association and transfer plants to practical growers; carry on cooperative work with special crops and continue breeding tropical plants.	136. 62	General expenses, B. P. I., 1910. (Florida subtropical garden.)
Do.....	do.....	Palm Beach, Homestead, and Miami, Fla. (Feb. 28-May 27, 1910.)	To inaugurate and conduct cooperative work with avocados, mangos, guavas, and anona-ceous fruits, and superintend planting and breeding of tropical fruits at the Miami Garden.	221. 99	Do
Westgate, John N.....	Assistant agrostologist..	Lansing, Excelsior, Mich.; Madison, Wis.; Fargo, Dickinson, Williston, N. Dak.; Philbrook, Hobson, Mont., and Minneapolis, Minn. (July 15-Aug. 12, 1909.)	To investigate the outcome of the various experimental tests of alfalfa and clover.	266. 62	Purchase and distribution of valuable seeds, 1910. (Forage-crop investigations.)
Do.....	do.....	Ashland, Minneapolis, Garden City, Salina, and Manhattan, Kans. (Oct. 2-23, 1909).	To take notes on the progress of tests of seeding alfalfa in cultivated rows.	165. 63	Purchase and distribution of valuable seeds, 1910. (Congressional seed distribution.)



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## BUREAU OF PLANT INDUSTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Westgate, John N.....	Assistant agrostologist..	Staunton and Saxe, Va. (Apr. 21-23, 1910.)	To arrange cooperative alfalfa tests.....	\$24.75	Purchase and distribution of valuable seeds, 1910. (Forage crop investigations.)
Do.....	do.....	Edgeley, Fargo, Williston, Harvey, Dickinson, Highmore, Brookings, Almont, N. Dak.; Hobson, Mont.; Minneapolis and Excelsior, Minn. (May 5-June 9, 1910.)	To determine the outcome of variety tests of alfalfa introduced from foreign countries.	288.09	Purchase and distribution of valuable seeds, 1910. (Foreign seed and plant introduction.)
White, Howard M.....	Scientific assistant.....	Whittier, Los Angeles, Upland, Pasadena, San Dimas, Riverside, San Diego, and Watsonville, Cal. (July 1-Nov. 11, 1909.)	To assist in the prosecution of fruit transportation and storage investigations in citrus and deciduous fruits.	724.43	General expenses, B. P. I., 1910. (Pomological investigations.)
Do.....	do.....	Bradentown, Palmetto, Tampa, Winter Park, Florence Villa, Haines City, Orlando and Jacksonville, Fla. (Dec. 8, 1909-Feb. 26, 1910.)	do.....	334.26	Do.
Wight, William F.....	Botanist in charge of economic collections.	Denison, Austin, Tex.; Los Angeles, Azusa, Riverside, San Dimas, Orange, Fresno, Oakland, Palo Alto, Fair Oaks, Santa Cruz, Centerville, San Jose, Napa, Chico, Cal.; Albany, Corvallis, Salem, Hillsboro, Portland, Oreg.; Tacoma, Spokane, Pullman, Puyallup, Wash.; St. Paul, Minn.; Brookings, S. Dak.; Ames, Iowa; and South Haven, Mich. (Aug. 16-Oct. 2, 1909.)	To secure information necessary in the classification of the fruits and nuts cultivated in America.	494.66	General expenses, B. P. I., 1910. (Economic and range investigations.)
Do.....	do.....	New York, Geneva, N. Y.; Burlington, Vt.; Ottawa, Canada; and Boston, Mass. (Feb. 10-Mar. 11, 1910.)	To study herbarium material of the wild species belonging to the genus <i>Prunus</i> , from which the varieties of native plums cultivated in the United States have been derived. To collect material of various species of <i>Malus</i> and <i>Pyrus</i> .	169.83	Do
Do.....	do.....	Boston, Mass., and New York City. (Apr. 27-May 11, 1910.)	To investigate relationship between the bacteriological conditions and the fertility of the soil upon the Truckee-Carson irrigation project.	86.25	Do.
Wright, R. Claude.....	Scientific assistant.....	Fallon, Nev. (June 1-30, 1910.)	To inspect the experimental Yautia and Tara plantations, and attend the harvesting and shipping of the crop at Gough.	39.43	General expenses, B. P. I., 1910. (Bacteriology and nutrition.)
Young, Robert A.....	do.....	Charleston, Cordesville, Gough, S. C.; Orange City, Orlando, Gotha, Fla. (Oct. 25-Nov. 11, 1909.)		106.78	Purchase and distribution of valuable seeds, 1910. (Foreign seed and plant introduction.)

Young, Thomas B.....	do.....	Ebenezer, Florence, Timmons-ville, Cameron, Sumpter, S. C., and New York City. (July 26-Dec. 31, 1909.)	To harvest experimental peppers, and other work in connection with drug plant investigations; and to arrange for the marketing of the crops in New York.	143. 72	General expenses, B. P. I., 1910. (Drug and other plants.)
Do.....	do.....	New York City; Baltimore, Md.; Ebenezer, S. C., and vicinity. (Jan. 7-Feb. 4, 1910.)	do.....	125. 58	Do.
Zook, Leslie L.....	do.....	Yuma, Ariz.; Los Angeles, Brawley, Chico, Cal.; Fallon, Reno, Nev.; Corvallis, Salem, Oreg.; Prosser, Pasco, Walla Walla, Pullman, Seattle, Wash.; Lewiston, Moscow, Idaho; and Omaha, Nebr. (July 1-Dec. 28, 1909.)	To experiment in the production of improved strains of corn by breeding and selection, and study physiological problems in connection with the corn investigations of the bureau.	599. 08	General expenses, B. P. I., 1910. (Grain investigations.)
Do.....	do.....	Yuma, Ariz.; Los Angeles and Chico, Cal. (Mar. 10-June 30, 1910.)	do.....	70. 97	Do.

## FOREST SERVICE.

Adams, Bristow.....	Expert.....	Charlottesville, Va., and return. (July 13-17, 1909.)	To make two addresses during rural-life week at the summer school of the University of Virginia.	\$15. 42	General expenses, Forest Service, 1910.
Do.....	do.....	Hume, Va., and return. (Aug. 30-31, 1909.)	To make an address at the opening of the new agricultural high school.	5. 10	Do.
Do.....	do.....	Asheville, N. C., and return. (Oct. 4-9, 1909.)	To make two addresses: One on relation of good roads to forestry and lumbering before the annual convention of the Southern Appalachian Good Roads Association; one on the problems and work of the Forest Service before the Biltmore Forest School.	47. 83	Do.
Do.....	do.....	Newbern, N. C., and return. (Nov. 10-13, 1909.)	To speak before the North Carolina Drainage Convention.	31. 05	Do.
Do.....	do.....	Minden, La., and return. (Jan. 1-7, 1910.)	To make an address before the annual convention of the Louisiana State Forestry Association.	99. 90	Do.
Do.....	do.....	Pittsburg, Pa., and return. (Jan. 20-21, 1910.)	To make an address at Carnegie Institute.....	20. 00	Do.
Do.....	do.....	Bayboro, N. C., and return. (Jan. 23-27, 1910.)	To address the State Farmers' Institute, eastern district.	32. 25	Do.
Do.....	do.....	Points in New Jersey, New York, and Delaware, and return. (Mar. 4-14, 1910.)	To give talks mainly before schools in various points in New Jersey, New York, and Delaware.	33. 89	Do.
Adams, James B.....	Assistant forester.....	Albuquerque, Denver, Missoula, Portland, San Francisco, and national forest headquarters in the different districts, and return. (July 14-Sept. 19, 1909.)	Personal conferences with district foresters and forest supervisors and the inspection of the work in district offices and on the national forests.	545. 90	Do.
Do.....	do.....	Albuquerque and some of the national forests in Arizona and return. (Oct. 9-31, 1909.)	For inspection and instruction in field work.....	246. 10	Do.

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## FOREST SERVICE—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Adams, James B.....	Assistant forester.....	All district headquarters and various forest headquarters and return. (May 2-June 9, 1910.)	For the purpose of making an administrative inspection of all district headquarters and various forest headquarters.	\$453.04	General expenses, Forest Service, 1910.
Ashe, W. W.....	Forest assistant.....	Berryville, Va., and return. (July 15-18, 1909.)	To advise cooperating owners of wood lots as to proper care of same.	7.70	Cooperative work, forest investigations.
Do.....	do.....	Pulaski, Allisonia, Bracey, Richmond, Williamsburg, Beaverdam, and Warrenton, Va.; and Worden, Md., and return. (Aug. 24-Sept. 24, 1909.)	To make six preliminary examinations and to carry on a study of the wood-lot conditions in cooperation with the State of Virginia.	104.37	Do.
Do.....	do.....	Richmond, Roanoke, Salem, and Clifton Forge, Va., and Thurmond, W. Va., and return. (Dec. 14-18, 1909.)	To make preliminary examinations of conditions in Virginia in cooperation with the State, and advise cooperators at Thurmond as to proper care of wood lot.	43.45	Do.
Do.....	do.....	Relay, Md., Warrenton and Leesburg, Va., and York, Pa., and return. (Apr. 5-22, 1910.)	Making examinations of forest land in cooperation with private owners.	10.56	Do.
Do.....	do.....	Charlottesville, Crozet, Petersburg, Richmond, Newport News, Norfolk, Emporia, Lawrenceville, Bracey, Roanoke, and other points in Virginia and return. (Sept. 29-Nov. 12, 1909.)	To advise cooperating owners of wood lots as to proper care of same and make preliminary examinations of forest conditions in Virginia in cooperation with that State.	85.88	Do.
Do.....	do.....	Richmond, Lawrenceville, and Clifton, Va. (Feb. 2-8, 1910.)	Address the Virginia State Farmers' Institute and to advise private owners as to the proper care of their woodland.	3.65	General expenses, Forest Service, 1910.
Do.....	do.....	Neopit, Wis., and return. (May 21-June 3, 1910.)	Marking timber on the Menominee Indian Reservation.	8.44	Investigations.
Backus, G. T.....	Forest agent.....	Moorestown, N. J., and return. (July 16-17, 1909.)	To advise owner of woodland as to care of same.	75.55	General expenses, Forest Service, 1910.
Do.....	do.....	Neopit, Wis., and return. (Aug. 26-Dec. 22, 1909.)	Marking timber on the Menominee Indian Reservation to supply the winter's cut for the mill at that point.	9.83	Cooperative work, forest investigations.
Do.....	do.....	Rockland, Md., and return. (Feb. 16-17, 1910.)	To assist a private owner in the marking of timber on his forest land.	125.66	General expenses, Forest Service, 1910.
Do.....	do.....	Neopit, Wis., and return. (Feb. 26-Mar. 8, 1910.)	To mark timber on the Menominee Indian Reservation, Wis., upon request from the Secretary of the Interior, in accordance with the terms of the act of Mar. 28, 1908.	5.57	Cooperative work, forest investigations.
Do.....	do.....	Neopit, Wis., and return. (May 17-June 3, 1910.)	Marking timber on Menominee Indian Reservation.	87.73	General expenses, Forest Service, 1910.
Do.....	do.....			86.59	Do.



Barnes, Will C.....	Inspector of grazing.....	National forests in District 1, District 6, District 5, and in Arizona and New Mexico, in District 3. (Aug. 17, 1909-Apr. 18, 1910.)	Examination of grazing conditions on the national forests.	1, 635. 73	Do
Barnum, C. T.....	Engineer in wood preservation.	Columbus, Ind., and points in Indiana, Illinois, Missouri, Kansas, and return. (July 11-Aug. 12, 1909.)	To assist in experimental timber treatments at a cooperative plant at Columbus, Ind.; to assist in a series of experiments at Purdue University, Lafayette, Ind., and to inspect the mechanical features of various timber-treating plants.	24. 20	Cooperative work, forest investigations.
Do.....	do.....	Chicago, Galesburg, Rock Island, and Waukegan, Ill., and Madison, Wis. (Oct. 5-Oct. 11, 1909.)	To inspect timber-preserving plants, to deliver an address before the Western Society of Engineers at Chicago, and transfer of station to Madison, Wis.	237. 77	General expenses, Forest Service, 1910.
Barrows, Wm. B.....	Forest assistant.....	Points in Maryland and Pennsylvania, Connecticut, Massachusetts, Vermont, and New Hampshire. (May 16-June 30, 1910.) (Trip not completed in fiscal year 1910.)	Remasuring permanent sample plots for Office of Silvics in these States.	61. 55	Do.
Barry, Cornelius.....	Laboratory assistant.....	Madison, Wis. (Oct. 15-16, 1909)	Change of station.....	31. 42	Do.
Bateman, Ernest.....	Expert.....	Madison, Wis. (Oct. 17-19, 1909)	Transfer of official station.....	29. 55	Do.
Bentley, George A.....	Clerk.....	Rochester, N. Y., and return. (July 26-30, 1909.)	To inspect the filing cases and sections ordered from Yawman & Erbe for the supply depot at Ogden, Utah.	22. 70	Do.
Betts, H. S.....	Assistant chief of wood utilization.	(Trip begun in fiscal year 1909.) San Francisco, Cal.; Spokane and Seattle, Wash.; Portland, Oreg., and return. (July 1-Sept. 20, 1909)	To inspect work at timber-testing stations and complete unfinished testing work at Berkeley, Cal.	252. 45	Do.
Bixby, J. O.....	Timber test assistant.....	Madison, Wis. (Oct. 16-18, 1909)	Transfer of official station.....	33. 60	Do.
Blaine, Frank.....	Laboratory aid and engineer.	Madison, Wis. (Nov. 3-5, 1909)	do.....	30. 80	Do.
Bord, Francis M.....	Engineer in wood preservation.	Brooklyn, N. Y.; Maurer and Newark, N. J., and return. (Aug. 13-21, 1909.)	To secure information on the mechanical features of three wood-preserving plants around New York City and to assist in conducting tests in the open-tank treatment of railroad ties at Newark, N. J.	38. 53	Do.
Do.....	do.....	Birmingham, Ala., and Madison, Wis. (Oct. 4, 1909-Jan. 17, 1910.)	To assist Mr. Edward H. Ford in the conducting of experiments at Birmingham, Ala., in the treatment of timber, in cooperation with the Tennessee Coal, Iron & R. R. Co.; and after completion of same to take up new official station at Madison, Wis.	254. 02	Cooperative work, forest investigations.
Briscoe, J. M.....	Forest assistant.....	Franklin, Ky., and points throughout the State of Kentucky. (July 1-Oct. 20, 1909.)	To make a study of the forest conditions in Kentucky in cooperation with that State and private owners.	209. 31	General expenses, Forest Service, 1910.
Do.....	do.....	Various points in the State of Florida and return. (Jan. 20-Apr. 3, 1910.)	Study of possibilities for eucalyptus planting in Florida.	222. 61	Cooperative work, forest investigations.
Bristol, H. S.....	Expert.....	New York City and other places in New York State and return. (Oct. 2-10, 1909.)	Interviewing the officials of pulp and paper companies in regard to the ground-wood tests.	299. 95	General expenses, Forest Service, 1910.
Do.....	do.....	Madison, Wis. (Oct. 11-13, 1909)	Transfer of his official station.....	83. 01	Do.
				42. 10	Do.

## EXPENDITURES FOR TRAVEL.

*Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.*

## FOREST SERVICE—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation
Bruce, E. S.....	Expert lumberman.....	Missoula, Mont., and other points in Montana, and return. (Aug. 16-Nov. 8, 1909.)	Inspection of work being done on timber sales' projects and estimate of timber and appraisal of land and timber values, under the cooperative agreement with the Northern Pacific R. R.	\$468. 00	General expenses, Forest Service, 1910.
Do.....	do.....	San Francisco, Cal., and to points within or near the Trinity National Forest, and return. (Apr. 11-June 12, 1910.)	Investigation in connection with the application for the purchase of a large amount of timber on that forest.	466. 25	Do.
Brush, W. D.....	Expert.....	Boston, Mass., Berlin, N. H., and return. (Dec. 21, 1909-Jan. 9, 1910.)	To obtain timber from the Berlin Mills Co. for experimental use at the forest products laboratory.	71. 27	Do.
Do.....	do.....	Chicago, Ill.; Ithaca, N. Y.; Boston, Mass., and return. (May 16-June 4, 1910.)	Conferring with the directors of the departments of biology, University of Chicago, Harvard University, and Columbia University regarding the selection of an expert xylotomist for service in dendrological laboratory, and to assist in completing the compilation of geographical distribution data from forest tree records of the Field Museum of Natural History in Chicago.	88. 78	Do.
Burns, Findley.....	Chief of publication.....	Missoula, Portland, San Francisco, Ogden, and Denver, and territory adjacent to several of these places, and return. (Aug. 1-Sept. 10, 1909.)	To confer with the district foresters with regard to the possibility of new publications and the conduct of lines of work upon which they will be based, and to become familiar with work in the field, the results of which will later go through the office of publication.	298. 50	Do.
Carter, E. E.....	Assistant forester.....	(Trip begun in fiscal year 1909.) San Francisco, Cal., and return. (July 1-Aug. 8, 1909.)	To confer with forest officers in regard to sales of timber and forest planting on the national forests.	202. 45	Do.
Do.....	do.....	Denver, Colo., and other points in that State, New Mexico, and Arizona, and return. (Oct. 9-Nov. 15, 1909.)	Inspection of seeding, planting, and timber sales on various forests in Colorado, Arizona, and New Mexico.	333. 70	Do.
Do.....	do.....	Halsey, Neb.; Deadwood, S. Dak.; Denver, Colo.; Ogden, Utah; Missoula, Mont., and return. (Apr. 11-June 3, 1910.)	Inspection of the seeding and planting work and timber sales on the various national forests in the territory covered by his instructions.	340. 40	Do.
Chapman, C. S.....	do.....	(Trip begun in fiscal year 1909.) Denver, Colo.; Portland, Oreg.; San Francisco, Cal., and return. (July 1-9, 1909.)	To consult with and instruct forest officers regarding the conduct of national forest business.	54. 55	Do.
Do.....	do.....	Portland, Oreg., via Denver, Colo., and Ogden, Utah. (Oct. 30-Nov. 15, 1909.)	Transfer of official station to Portland, Oreg.---	152. 70	Do.

Chittenden, A. K.	Forest examiner.	Madison, Wis., and other points in Wisconsin, and return. (May 3-June 10, 1910.)	To take up a study of the relation of forest taxation to forestry and to the lumber supply, in cooperation with the State of Wisconsin. To make five preliminary examinations of private forest lands.	109.34	Do.
Clark, E. D.	Forest assistant.	Various points in eastern Pennsylvania and Delaware and return. (Aug. 20-29, 1909.)		5.28	Do.
Do.	do.	Neopit, Wis., and return. (Sept. 3-Nov. 14, 1909.)		49.90	Cooperative work, forest investigations.
Clarke, H. H.	Assistant law officer.	Missoula, Mont. (Apr. 26-30, 1910.)	Marking timber on the Menominee Indian Reservation under the terms of the act of Mar. 28, 1908.	101.59	General expenses, Forest Service, 1910.
Cline, McGarvey.	Assistant forester.	New Haven, Conn., and return. (Aug. 26-30, 1909.)	Transfer of official station.	97.70	Do.
Do.	do.	Madison, Wis. (Oct. 9-11, 1909.)	Inspecting the work in the timber-testing laboratory, preliminary to discontinuing the work there and shipping the equipment to Madison, Wis.	31.10	Do.
Cox, W. T.	do.	(Trip begun in fiscal year 1909.) Shawano and Ashland, Wis.; Duluth, Minn., and return. (July 1-7, 1909.)	Transfer of official station to Madison, Wis. To confer with officers on Indian reservations in regard to sales of timber and milling operations.	34.81	Do.
Do.	do.	Spokane, Wash.; Portland, Ore.; Tacoma and Seattle, Wash.; Missoula, Mont., and return. (Aug. 4-Sept. 14, 1909.)	To advise with lumbermen regarding timber sales at Spokane and Tacoma and to advise with district foresters in regard to silvicultural work at Portland and Missoula.	54.63	Do.
Do.	do.	Ashland Wis., and return. (Sept. 19-Oct. 3, 1909.)	To attend hearings before Senate Committee on Indian Affairs relating to Wisconsin reservations.	344.06	Do.
Do.	do.	Duluth and other points in Minnesota and return. (Oct. 31-Dec. 3, 1909.)	To inspect timber sales on Minnesota National Forest.	79.09	Do.
Do.	do.	Denver, Colo.; Ogden, Utah; Missoula, Mont.; Portland, Ore.; San Francisco, Cal.; Albuquerque, N. Mex., and return. (Feb. 13-Mar. 12, 1910.)	To attend the forest supervisors' meetings in Denver, Colo., and Ogden, Utah, and give assistance and advice on matters of sales, reforestation, and reconnaissance, and to discuss pending and contemplated matters concerning branch of silviculture with the district foresters.	150.94	Do.
Do.	do.	Gorham, N. H., and return. (Mar. 28-Apr. 5, 1910.)	For the purpose of discussing forest fires and to explain the system of fire protection in vogue in Idaho and Washington, where private owners have formed fire-protective associations.	376.80	Do.
Do.	do.	Utica, N. Y., and various points in the State of New York. (June 10-30, 1910.)	Inspection of the New York State nurseries and the areas recently planted in the New York State Forest Preserve; also the method of cutting followed in the logging done in Nebasne Park and upon other tracts where the owners are practicing forestry.	34.67	Do.
Cramer, H. B.	Fiscal agent.	(Trip begun in fiscal year 1909.) Albuquerque, N. Mex.; Denver, Colo.; Missoula, Mont.; Portland, Ore.; San Francisco, Cal.; Ogden, Utah, and various points in the districts and return. (July 1-Aug. 1, 1909.)	Inspection of district fiscal offices and forest records pertaining to fiscal matters.	52.80	Do.
				247.08	Do.



## EXPENDITURES FOR TRAVEL.

*Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.*

## FOREST SERVICE—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Cramer, H. B.	Fiscal agent	Denver, Ogden, San Francisco, Portland, and certain national forests in the districts. (Aug. 14-Sept. 11, 1909.)	Instructing forest supervisors, district fiscal agents, and other officers of the Forest Service in methods of keeping accounts, especially those involving operating expenses and receipts from the sale of timber and other forest products.	\$298.35	General expenses, Forest Service, 1910.
Do.	Chief of records	Ogden, Utah. (Mar. 26-31, 1910.)	For assignment to duty at the supply depot.	100.06	Do.
Dana, S. T.	Forest assistant	(Trip begun in fiscal year 1909.) Albuquerque, N. Mex.; Flagstaff, Ariz.; San Francisco, Cal.; Portland, Oreg.; and return. (July 1-Oct. 6, 1909.)	Silvical studies and establishment of permanent sample plots in the districts.	490.08	Do.
Do.	do.	Missoula and other points in Montana and Idaho. (Trip not completed in fiscal year 1910.) (June 27-30, 1910.)	Investigative work, particularly the study of commercially important forest trees.	68.55	Do.
Dayton, Wm. A.	Plant ecologist	Albuquerque, N. Mex., and Flagstaff, Ariz. (Trip not completed in fiscal year 1910.) (June 16-30, 1910.)	For duty on the Coconino National Forest in conducting forage investigations.	105.04	Do.
Dillon, Edward.	Clerk	San Francisco, Cal. (May 12-18, 1910.)	Transfer of official station	93.50	Do.
Dunlap, Fred.	Forest assistant	Baltimore, Md., and various points in Pennsylvania, New York, and the New England States and return. (Aug. 19-Sept. 4, 1909.)	Inspection of commercial dry kilns, in connection with study of processes and appliances for kiln-drying wood.	87.16	Do.
Do.	do.	Madison, Wis. (Oct. 1-3, 1909.)	Change of official station.	38.00	Do.
Dunston, C. E.	do.	Jackson, Miss., and points within the State and return. (Oct. 2-Nov. 30, 1909.)	A preliminary examination of the forest conditions of the State.	200.00	Cooperative work, forest investigations.
Do.	do.	Fort Sheridan Military Reservation, Ill., and Ogden, Utah. (Jan. 27-Feb. 10, 1910.)	To make an examination of forest conditions on the Fort Sheridan Military Reservation, Ill., and prepare such planting plans as conditions may require, and return to official station at Ogden, Utah.	95.15	General expenses, Forest Service, 1910.
Dyar, W. W.	Expert	(Trip begun in fiscal year 1909.) Denver, Colo.; Ogden, Utah; San Francisco, Cal.; Portland, Oreg.; Missoula, Mont., and other points in districts 1, 2, 4, 5, and 6, and return. (July 1-27, 1909.)	Inspection of mining claims and investigation of Forest Service policy in respect thereto.	83.30	Do.
				280.25	Do.

Do.....	do.....	Denver, Ogden, Goldfield, and neighboring towns, and return. (Sept. 18-Oct. 19, 1909.)	Investigate mining conditions on the National Forests, especially in the State of Colorado, with a view of a speedy and just settlement of all controversies in which it is alleged that the administration of the National Forest laws and regulations has worked injustice to miners and prospectors; and attend the meeting of the American Mining Congress, Goldfield, Nev., on Sept. 27. Experimental work in cooperation with the Bureau of Plant Industry.	284.85	Do.
Eggleston, W. W.....	Assistant botanist.....	Mount Carbon, Colo., via New York City and Ann Arbor, Mich. (Trip not completed in fiscal year 1910.) (May 27-June 30, 1910.)		95.65	Do.
Ellis, Don Carlos.....	Clerk examiner.....	Portland, Ore.; Seattle, Wash., and return. (July 1-Dec. 22, 1909.)		523.26	Do.
Ely, M. W.....	Clerk (S. and T.).....	Chicago, Ill., and return. (Dec. 11-19, 1909.)	To give educational talks at the Seattle exposition.	61.30	Do.
Do.....	do.....	Madison, Wis. (May 18-20, 1910.)	To report proceedings of conference of representatives of leading railroads and the forester at Chicago, Ill.	26.40	Do.
Fagan, M. E.....	Chief of accounts.....	All district headquarters, and return. (Feb. 20-Mar. 14, 1910.)	To inspect offices of district fiscal agents at district headquarters under the instructions of the Chief, Division of Accounts and Disbursements.	300.65	Do.
Fleming, C. E.....	Plant ecologist.....	Denver and Saguache, Colo. (Trip not completed in fiscal year 1910.) (June 11-30, 1910.)	Experimental work concerning the grazing of sheep and lambs within enclosures.	107.60	Do.
Foster, J. H.....	Forest assistant.....	Points in Pennsylvania, New York, Vermont, New Hampshire, and Maine, and return. (Sept. 19-Nov. 8, 1909.)	Making examinations of forest land in cooperation with private owners.	106.59	Cooperative work, forest investigations. General expenses, Forest Service, 1910.
Do.....	do.....	Baton Rouge, La., and points within the State of Louisiana, and Augusta, Ga., and return. (Jan. 24-Apr. 3, 1910.)	To make a preliminary examination of the forest conditions of the State of Louisiana, and to examine trees on grounds of United States arsenal at request of War Department.	9.82	
Fox, Geo. H.....	Messenger.....	Madison, Wis. (May 28-31, 1910.)	Transfer of official station.....	293.05	
Frothingham, E. H.....	Forest assistant.....	(Trip begun in fiscal year 1909.) Boston, Mass.; Portland, Me., and other points in New England States, and return. (July 1-Oct. 31, 1909.)	Study of aspen and northern hardwoods.....	23.86	
Do.....	Chief of compilation.....	New Haven, Conn. (Trip not completed in fiscal year 1910.) (June 3-30, 1910.)	To make an examination of forest conditions in cooperation with the State Forester of Connecticut.	32.75	Do.
Fuchs, Wm. R.....	District fiscal agent.....	Madison, Wis. (Jan. 2-3, 1910.)	Assignment as district fiscal agent at Madison for remainder of fiscal year 1910.	283.43	Do.
Grant, J. M.....	Forest expert.....	San Francisco, Cal. (Sept. 7-13, 1909.)	Investigation in connection with practical forestry on private lands in the South and general inspection of work in the field.	86.63	Do.
Graves, Henry S.....	Forester.....	Louisiana, the different district headquarters and the laboratory at Madison, Wis., and return. (Apr. 13-June 6, 1910.)		34.40	Do.
				117.95	Do.
				580.96	Do.

*Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.*

## FOREST SERVICE—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Grubb, N. H.	Expert.	Blacksburg, Va., and return. (Oct. 20-29, 1909.)	To discuss with S. W. Fletcher, director of the Virginia Agricultural Experiment Station there, the possibility of making arrangements for cooperative work in the growing of basket willows between the Forest Service and the experiment station. Study of forest conditions in Kentucky in cooperation with the State.	\$21.20	General expenses, Forest Service, 1910.
Hall, R. C.	Forest assistant.	Points throughout the State of Kentucky, and return. (July 1-Oct. 23, 1909.)		204.26	Do.
Do.	do.	Chicago, Ill., and points throughout the State. (Dec. 23, 1909-June 10, 1910.)		254.63	Cooperative work, forest investigations. General expenses, Forest Service, 1910.
Hall, W. L.	Assistant forester.	(Trip begun during fiscal year 1909.) Portland, Oreg.; Missoula, Mont.; Denver, Colo.; points throughout Colorado, and return. (July 1-Oct. 1, 1909.)	To make a study of the forest conditions of Illinois, in cooperation with that State.	261.11	Do.
Do.	do.	Portland, Oreg.; Missoula, Mont., and return. (Nov. 6-Dec. 3, 1909.)	General administrative supervision of branch of products.	517.35	Do.
Do.	do.	Chicago, Ill., and return. (Dec. 12-18, 1909.)	Inspection of forest products work in districts and consultation with district foresters regarding same.	274.20	Do.
Do.	do.	New Orleans and points in the South, and Cincinnati, Ohio, and return. (Jan. 22-Feb. 4, 1910.)	To attend a conference of representatives of leading railroads at Chicago in company with and at the request of the Forester. To attend the meeting of the Yellow Pine Manufacturers' Association in New Orleans and the meeting of the National Hardwood Manufacturers' Association in Cincinnati and conducting business connected with the work of the branch of products in the South.	61.05	Do.
Do.	do.	Chicago, Ill.; Madison, Wis., and return. (Mar. 6-13, 1910.)	Work connected with the administrative supervision of the office of wood utilization and the forest products laboratory.	117.18	Do.
Do.	do.	Chicago, Ill.; Madison, Wis., and return. (May 6-18, 1910.)	In connection with administrative duties in the work of the branch of products at these points.	68.80	Do.
Do.	do.	Madison, Wis. (May 28-30, 1910).....	Transfer to new official station.....	76.60	Do.
Harvey, F. L.	Expert.	Denver, Colo., and return. (Sept. 1-Dec. 23, 1909.)	Assisting in the work of the district law office at Denver, Colo., Mr. J. M. Cates, the district law officer, being on furlough.	43.10	Do.
				130.45	Do.



Hawley, L. F.	do.	To collect samples of wood turpentine for experimental purposes.	\$72.65	Do.
Do.	do.	Investigations regarding wood distillation, and transfer of official station to Madison.	47.46	Do.
Heller, Chas. J.	Forest assistant.	Transfer of official station.	23.80	Do.
Howarth, J. A., Jr.	do.	Examination of Red Lake Indian Reservation.	371.93	Do.
Ingall, O. D.	Forest agent.	For the purpose of assisting in the study of forest conditions in Kentucky in cooperation with the State.	185.44	Do.
Do.	do.	To assist Mr. R. C. Hall in making a study of forest conditions in Illinois in cooperation with the State.	229.31	Cooperative work, forest investigations.
Irion, Harry.	Clerk.	To assist in a study of the relation of forest taxation to forestry and to the lumber supply.	248.79	General expenses, Forest Service, 1910.
Jacobs, S. R.	Chief of miscellaneous division, auditor for the State and other departments.	To accompany the fiscal agent at the request of the Secretary of Agriculture to assist in instructing forest supervisors, district fiscal agents, and other officers of the Forest Service in methods of keeping accounts, especially those involving operating expenses and receipts from sales of products.	102.32	Do.
Jardine, J. T.	Deputy forest supervisor	Investigating range conditions on the forests, preparing plans for reseedling, and carrying on special investigations at coyote-proof pasture on Wallowa National Forests.	289.60	Do.
Do.	do.	To arrange experimental work in connection with the coyote-proof pasture on Wallowa Forest; give lectures to rangers assembled Mar. 7-18 at Seattle, Wash.; confer with district forester regarding experimental range investigations; give course of lectures to rangers assembled at Missoula, Mont., and confer with district office regarding experimental sheep pasture on Cochetopa Forest.	728.45	Do.
Jensen, M. C.	Agent.	Change of official station.	611.84	Do.
Kellogg, R. S.	Assistant forester.	To study the forest resources of the interior of Alaska.	30.65	Do.
			489.10	Do.

(Trip begun in fiscal year 1909.) Brunswick, Ga., and points throughout Georgia, Alabama, and Florida, and return. (July 1-10, 1909.)

Olean and Buffalo, N. Y., and Madison, Wis. (July 17-26, 1909.)

Chicago, Ill. (July 3-5, 1909.)

(Trip begun in fiscal year 1909.) Walker, Minn., and other points in Minnesota and return. (July 1-Oct. 20, 1909.)

Glasgow, Ky., and other points throughout the State and return. (July 17-Oct. 30, 1909.)

Anna, Ill., and points throughout the State and return. (Jan. 21-June 16, 1910.)

Madison and other points in Wisconsin and return. (May 3-June 10, 1910.)

Denver, Ogden, San Francisco, Portland, and certain national forests in the districts. (Aug. 14-Sept. 11, 1909.)

(Trip begun in fiscal year 1909.) Denver, Colo.; Santa Fe, N. Mex.; Phoenix, Ariz.; Ogden, Utah; Portland, Oreg., and other points in Colorado, New Mexico, Arizona, Utah, Oregon, and return. (July 1-Dec. 5, 1909.)

Wallowa, Oreg.; Portland, Oreg.; Seattle, Wash.; Missoula, Mont.; Denver, Colo., and Cochetopa Forest. (Feb. 26-June 30, 1910.)

Madison, Wis. (Nov. 4-6, 1909.)

(Trip begun in fiscal year 1909.) Ketchikan, Alaska, and points throughout the Territory and return, via Seattle, Portland, San Francisco, Ogden, and Denver. (July 1-Sept. 28, 1909.)

*Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.*

## FOREST SERVICE—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Kellogg, R. S.....	Assistant forester .....	Jacksonville, Fla., and return. (Oct. 19-23, 1909.)	To address annual meeting of Turpentine Operators' Association and confer with operators on collection of naval stores statistics.	\$43.90	General expenses, Forest Service, 1910.
Do.....	do.....	Chicago, Ill., and Grayling, Mich., and return. (Dec. 13-19, 1909.)	To attend a conference of representatives of the leading railroads at Chicago in company with and at the request of the forester, and to visit the forestry students of the Michigan Agricultural College at a logging camp in northern Michigan.	75.61	Do.
Do.....	do.....	Mont Alto, Pa., and return. (Jan. 20-22, 1910.)	To give four lectures before the students of the Pennsylvania State Forest Academy upon Forest Resources and Forest Products.	21.78	Do.
Do.....	do.....	Lansing, Mich.; Ann Arbor, Mich.; Madison, Wis.; and return. (Feb. 22-Mar. 7, 1910.)	Gives lectures at State Round Up Institute, Lansing, Mich.; lectures to forestry students at University of Michigan, and lectures in special forestry course at the University of Wisconsin.	68.76	Do.
Kempfer, W. H..... Kneipp, L. F.....	Chief of maintenance..... Assistant forester.....	Madison, Wis. (Oct. 10-12, 1909)..... (Trip begun in fiscal year 1909.) Albuquerque, San Francisco, Portland, Missoula, Denver, Ogden, and supervisors' headquarters in these districts, and return. (July 1-31, 1909.)	Transfer of official station..... General administrative inspection of grazing work; consultation with forest officers and users; special investigations of complaints and appeals.	32.50 179.90	Do. Do.
Do.....	do.....	Albuquerque, San Francisco, Portland, Ogden, Denver, and points in Idaho, Colorado, and Wyoming, and to Missoula. (Trip not completed during fiscal year 1910.) (May 31-June 30, 1910.)	To confer with district foresters and assistants with regard to general administration of grazing business, discussing the problems with which they are confronted in handling the grazing work, and issuing such administrative instructions as may be required; to check and examine the records of the grazing business in each district office to determine that the general execution and supervision of the grazing work is in accordance with the Regulations and the special instructions issued by the forester. Special investigations and general administrative inspection of the grazing work of the districts.	301.00	Do.
Lamb, Geo. N.....	Scientific assistant.....	Blacksburg, Va., and return. (Apr. 10-15, 1910.)	To start an experimental basket-willow holt, in cooperation with the Virginia Experiment Station.	35.45	Do.

Do.	do.	Points in Pennsylvania, Delaware, New Jersey, New York, Massachusetts, Ohio, Michigan, Wisconsin, Illinois, Iowa, Missouri, Indiana, Kentucky, and West Virginia. (Trip not completed during fiscal year 1910.) (May 27-June 30, 1910.)	For the purpose of gathering the fullest possible information regarding the status of both basket-willow culture and manufacture in this country, as well as studying other economic uses of willow.	150.48	Do.
Lamm, Leslie	Laboratory helper.	Madison, Wis. (Oct. 16-18, 1909.)	Transfer of official station.	31.70	Do.
Latham, Ella O.	Topographical draftsman.	Madison, Wis. (Oct. 30-Nov. 2, 1909.)	do.	32.20	Do.
McKenzie, H. E.	Engineer in timber tests.	Madison, Wis. (Oct. 11-14, 1909.)	To inspect the work of the Forest Service concerning special uses, settlement, stations, and claims; to prepare a revision of the regulations and instructions concerning claims, settlements, and stations; and to secure information for the United States Forest Service regarding the administration of the public forest reservations in Canada, with particular reference to hydro-electric power concessions in such reservations.	33.90	Do.
McVean, M. J.	Clerk.	Portland, and other district headquarters and return, with brief stops at Winnipeg, Regina, Edmonton, and Victoria in Canada. (Oct. 21, 1909-Apr. 4, 1910.)	To make a personal canvass of wood-using establishments throughout the State which have failed to give a report concerning their industry in response to a circular letter sent out by the service in connection with the study of the wood-using industries of the State. Work in connection with establishing an experimental station at Beltsville, Md.	635.01	Do.
Maxwell, Hu.	Expert.	Boston and points throughout the State of Massachusetts. (Aug. 31-Sept. 19, 1908.)	To inspect district offices of accounts and to install new system of accounting in supervisors' offices.	88.91	Do.
Meekham, H. S.	Forest expert.	Beltsville, Md. (Apr. 8, 9, 11, 12, 13, 14, 15, and 18, 1910.)	To take charge temporarily as district fiscal agent at Missoula and at Portland. Transfer of official station.	3.50	General expenses, Bureau of Animal Industry, 1910. (Administrative expenses.)
Melzar, E. A.	District fiscal agent.	Denver, Ogden, Missoula, Portland, San Francisco, and supervisors' offices in each district, and return. (Oct. 1, 1909-Jan. 31, 1910.)	Preliminary examination of the forest conditions of the State.	863.95	General expenses, Forest Service, 1910.
Do.	do.	Missoula, Mont.; Portland, Oreg.; and return. (Apr. 22-June, 27, 1910.)	To supervise the planting on about 10 acres belonging to Berea College, of planting stock grown by the college under the direction of the Forest Service for an experimental plantation.	477.65	Do.
Miller, Bertha R.	Clerk.	Madison, Wis. (Oct. 10-12, 1909.)	To examine forest conditions and supervise planting operations at the following points: Watertown Arsenal Reservation, Mass.; Saunterstown Military Reservation, R. I.; Watervliet Arsenal Reservation, N. Y.; in cooperation with the War Department.	35.10	Do.
Miller, Carrie N.	do.	Columbia, S. C., and points within the State and return. (Sept. 30-Nov. 26, 1909.)		34.95	Do.
Moore, W. M.	Forest assistant.	Berea, Ky., and return. (Mar. 16-25, 1910.)		200.00	Cooperative work, forest investigations, general expenses, Forest Service, 1910.
Do.	do.	Boston and other points in Massachusetts, Rhode Island, and New York, and return. (Mar. 29-Apr. 26, 1910.)		23.47	Do.
Do.	do.			67.37	Do.
Do.	do.			120.22	Do.



*Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.*

## FOREST SERVICE—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Nelson, John M., jr.....	Assistant chief of Wood Preservation.	Columbus, Ind.; Dayton, Columbus, Ohio; Fort Wayne, Ind.; Toledo, Ohio; Chicago, Ill., and return. (July 6-18, 1909.)	To supervise preliminary operations of an experimental timber-treating plant at Columbus, Ind., and to interest electric traction systems centered at the other points in the adoption of a definite policy of preserving their timber from decay.	\$97.31	Cooperative work, forest investigations, general expenses, Forest Service, 1910.
Do.....	do.....	Ishpeming, Mich.; Jamestown, N. Y.; Bradford, Pa., and return. (Aug. 24-Sept. 5, 1909.)	Reading a paper before the Lake Superior Mining Institute, making an examination of timbers used by the mines in the Lake Superior region, inspecting the experimental pole line set by the Forest Service near Jamestown, N. Y., and inspecting machinery to be installed in connection with work which the Forest Service is conducting in cooperation with the United States War Department at the Picatinny Arsenal.	125.53	Do.
Nugent, Ella M..... Owen, Nina..... Patterson, A. B.....	Clerk..... Clerk (S. and T.)..... Chief of federal cooperation.	Madison, Wis. (Nov. 2-4, 1909.)..... Madison, Wis. (Oct. 11-13, 1909.)..... Ashland, Lac du Flambeau, Odanah, Eagle River, and Reserve, Wis.; Duluth, Grand Marais, Thompson, Onigum, Red Lake, and White Earth, Minn., and return. (Aug. 17-Oct. 3, 1909.)	Transfer of official station..... Inspection on Indian reservations in Wisconsin and Minnesota.	28.05 33.95 200.21	Do. Do. Do.
Do.....	do.....	Shawano, Wis., and San Francisco, Cal. (Jan. 5-23, 1910.)	Inspection on Indian reservations in Wisconsin, and transfer of official station to San Francisco.	153.04	Do.
Peters, E. W.....	Engineer in wood preservation.	Columbus, Ind., and Madison, Wis. (July 29-Oct. 18, 1909.)	To assist in the experimental timber treatment at the plant constructed and operated by the Forest Service in cooperation with the Indianapolis, Columbus, and Southern Traction Co., until Oct. 15, and then to report at new official station, Madison, Wis.	164.16	Do.
Peters, J. G.....	Forest examiner.	Points in West Virginia, Ohio, Indiana, Kentucky, Tennessee, Mississippi, Louisiana, Alabama, Florida, Georgia, South Carolina, North Carolina, New Jersey, Connecticut, Massachusetts, Maine, Vermont, New York, and Pennsylvania, and return. (Aug. 7-Sept. 2, 1909.)	For the purpose of acquainting the different State forest officers and State forest associations with the work of the Office of State and Private Cooperation, with a view to bringing the States and the service into closer relation in forest work; and to inspect the work of two field parties in Kentucky and North Carolina, engaged in a study of the forest conditions of these States.	255.68	Do.

Do.....	Points in North Carolina and return; thence to New Jersey, New York, Connecticut, Rhode Island, Massachusetts, and return. (Nov. 2-24, 1909.)	Do.....	Making examinations of private forest lands and arranging for cooperative work with State forest officers, and inspecting plantations and forest lands for which the service has made working plans.	98. 42 31. 76	Do. { Cooperative work, forest investigations.
Do.....	Points in Maryland, Delaware, Pennsylvania, New Jersey, Connecticut, Rhode Island, Massachusetts, Maine, New Hampshire, Vermont, and New York, and return. (Trip not completed in fiscal year 1910.) (June 2-30, 1910.)	Do.....	To make examinations of private forest lands, inspect forest work on private lands, and confer with State forest officials in the States named.	170. 25	General expenses, Forest Service, 1910.
Pierson, A. H.....	Philadelphia, Pa.; Boston, Mass.; Norfolk, Va.; Savannah, Ga.; Jacksonville, Fla., and other points in Florida; Mobile, Ala.; Gulfport, Miss.; New Orleans, La.; Louisville, Ky., and return. (Oct. 14-Nov. 21, 1909.)	Forest assistant.....	Study of conditions in connection with annual report on imports and exports of forest products.	248. 19	Do.
Pinchot, Gifford.....	Cleveland, Ohio; Spokane, Wash.; Boise, Idaho; Denver, Colo.; Deadwood, S. Dak.; Missoula, Mont.; Seattle, Wash.; Portland, Oreg.; San Francisco, Cal.; Philadelphia, Pa., and return. (Aug. 4-Sept. 8, 1909.) (Transportation only; no expense account submitted.)	Forester.....	General administrative inspection of field work of the Forest Service.	301. 90	Do.
Do.....	Chicago, Ill. (Transportation to Chicago only; no expense account submitted.) (Dec. 13, 1909.)	Do.....	To attend a conference of representatives of leading railroads on forestry matters at Chicago, Ill.	29. 50	Do.
Plummer, Fred G.....	Denver, Ogdén, Missoula, Portland, San Francisco, Albuquerque, and supervisors' offices in the various districts, and return. (July 18-Oct. 2, 1909.)	Geographer.....	To inspect and standardize the methods in the drafting offices and district atlases, consult with district foresters and devise methods of economy in the use of field instruments, and to standardize the methods of making reports from the district offices to Washington.	502. 25	Do.
Do.....	Denver, Colo.; Ogdén, Utah; San Francisco and other points in California; Albuquerque, N. Mex., and return. (Trip not completed during fiscal year 1910.) (May 18-June 30, 1910.)	Do.....	For the purpose of consultation with the forester, the district foresters, and chiefs of branches at the various points in relation to geography, statistics, and planting operations.	290. 10	Do.
Potter, A. F.....	(Trip begun in fiscal year 1909.) Denver, Albuquerque, Ogdén, San Francisco, Portland, Missoula, and forest supervisors in the various districts, and return. (July 1-Nov. 8, 1909.)	Assistant forester.....	General inspection of grazing work.....	880. 76	Do.
Do.....	Ogdén, Utah, and Cheyenne, Wyo., and return. (Jan. 2-12, 1910.)	Do.....	Inspection of grazing work.....	171. 45	Do.

*Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.*

## FOREST SERVICE—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Potter, A. F.....	Associate forester.....	Missoula, Portland, Ogden, Denver, and return. (Mar. 17-Apr. 3, 1910.)	To attend conferences of forest supervisors at Missoula, Mont., and Portland, Oreg., and to consult with the district officers regarding the administration of the National Forests; also to consult with the district officers at Ogden, Utah, and Denver, Colo., regarding the future administration of the National Forests.	\$256.50	General expenses, Forest Service, 1910.
Price, Overton W.....	do.....	New York, N. Y., and return. (Sept. 20-21, 1909.)	Conference on forestry matters.....	30.60	Do.
Do.....	do.....	Baltimore, N. C. to Washington, and return to Baltimore. (Oct. 20-23, 1909.)	do.....	34.35	Do.
Pullman, R. W.....	Expert.....	(Trip begun in fiscal year 1909.) Little Rock, Ark.; Kansas City, Mo.; Denver, Colo.; Albuquerque, N. Mex.; San Francisco, Cal.; Portland, Oreg.; Ogden, Utah; Missoula, Mont., and return. (July 1-Aug. 14, 1909.)	To confer with forest officers and assist in organization work.	299.10	Do.
Ryan, Elizabeth.....	Clerk (S. and T.).....	Madison, Wis. (Oct. 11-13, 1909).....	Transfer of official station.....	32.25	Do.
Sackett, H. S.....	Chief of wood utilization.....	(Trip begun during fiscal year 1909.) Boston, Mass., and return. (July 1-3, 1909.)	Study of wood-using industries of Massachusetts.	26.65	Do.
Do.....	do.....	Murphy, N. C.; Franklin, Ky.; Urbana, Ill.; Chicago, Ill.; Barberton, Ohio, and return. (July 8-Aug. 1, 1909.)	Securing cooperation with States in a study of wood-using industries; inspecting the branch of the office of wood utilization, Chicago, Ill.; and investigating the plant of the Gardner Artificial Lumber Co., Barberton, Ohio.	145.94	Do.
Do.....	do.....	Rochester, N. Y., and Chicago, Ill. (Oct. 13-22, 1909.)	Investigation of wood-using industries at Rochester, and change of headquarters of the office of wood utilization to Chicago, Ill.	46.93	Do.
Sampson, A. W.....	Plant ecologist.....	(Trip begun in fiscal year 1909.) San Francisco, Cal.; Portland, Oreg.; Wallowa, Oreg., and return. (July 1-Dec. 18, 1909.)	Investigating range conditions on National Forests; preparing plans for reseedling and carrying on investigations to determine most valuable forage grasses and plants.	1,013.75	Do.
Do.....	do.....	Albuquerque, N. Mex.; Flagstaff, Ariz.; Bakersfield, Cal.; Wallowa, Oreg. (Trip not completed in fiscal year 1910.) (June 19-30, 1910.)	Investigating work on experimental areas and looking over areas where it is believed practical range experiments can be inaugurated looking to the improvement of the forage.	72.60	Do.
Schorger, A. W.....	Chemist in forest products.	Madison, Wis. (Nov. 1-2, 1909).....	Transfer of official station.....	28.75	Do.



Shaw, A. C.	Assistant law officer.	Chicago, Ill., and return, and Boston, Mass., and return. (Aug. 11-24, 1909.)	Consultation with reference to prosecution of invalid claims.	121.70	Do.
Do.	do.	Seattle, Wash.; Portland, Oreg.; New York, N. Y. (via Washington, D. C.); Seattle, Wash.; Portland, Oreg.; Spokane, Wash., and return. (Oct. 3-Dec. 9, 1909.)	do.	641.48	Do.
Shearman, T. C.	Law examiner.	(Trip begun in fiscal year 1909.) Portland, Oreg.; Seattle, Wash., and return. (July 1-Aug. 7, 1909.)	To assist law office in district 6 in preparation for trial of litigated-claims cases and represent the Forest Service at final hearings of such cases.	320.55	Do.
Siecke, E. O.	Forest assistant.	Kingston, R. I.; Orono, Me., and other points in New England States; Saranac Lake, N. Y.; Ann Arbor, Mich.; Berea, Ky., and points throughout Kentucky and Mississippi, and return. (July 23-Sept. 26, 1909.)	Inspecting experimental nursery and planting work conducted by the Forest Service in co-operation with state institutions in the Eastern States; and making examinations for timber-land owners and prospective forest planters.	157.70 62.52	Do. Cooperative work, forest investigations.
Do.	do.	Wallowa, Oreg. (Nov. 23-30, 1909)	Transfer of official station.	106.85	General expenses, Forest Service, 1910.
Simmons, R. E.	Expert.	Piedmont, N. C. and other points in eastern North Carolina, and return. (Sept. 20-Oct. 8, 1909.)	Obtaining information from the wood-using establishments there who have failed to respond to requests sent them by mail.	142.43	Do.
Do.	do.	Chicago, Ill. (Oct. 20-22, 1909)	Transfer of official station.	34.15	Do.
Smith, H. A.	Editor.	Missoula, Mont.; Kootenai, Idaho; Seattle, Wash.; Portland, Oreg., and return. (Aug. 5-Sept. 18, 1909.)	Inspect administrative and business methods in district and forest offices; examine timber cuttings, and gather information on forest conditions.	322.27	Do.
Do.	do.	Brattleboro, Vt., and return. (Oct. 18-21, 1909.)	Deliver addresses before grangers at Brattleboro and Wilmington.	12.95	Do.
Smith, Stanton G.	Forest supervisor.	Albuquerque, N. Mex. (Apr. 15-19, 1910.)	Return to official station after special detail to Washington.	72.25	Do.
Spencer, Mayme A.	Clerk (S. and T.).	Madison, Wis. (Oct. 11-13, 1909)	Transfer of official station.	32.35	Do.
Squire, C. H.	Clerk.	(Trip begun in fiscal year 1909.) Portland, Oreg., and return. (July 1-Aug. 24, 1909.)	To assist district forester in occupancy work.	184.85	Do.
Stahlnecker, P. S.	Clerk (S. and T.).	Cleveland, Ohio; Spokane, Wash.; Boise, Idaho; Denver, Colo.; Deadwood, S. Dak.; Missoula, Mont.; Seattle, Wash.; Portland, Oreg.; San Francisco, Cal.; Philadelphia, Pa., and return. (Aug. 4-Sept. 8, 1909.)	Accompanying the forester as his secretary.	442.40	Do.
Sterrett, W. D.	Forest assistant.	Points in Maryland, Pennsylvania, Massachusetts, Connecticut, New Hampshire, and Vermont. (Trip not finished during fiscal year 1910.) (May 16-June 30, 1910.)	Remasuring permanent sample plots of office of slicers in these States.	144.03	Do.
Stockton, Winifred L.	Clerk.	Chicago, Ill. (Oct. 14-15, 1909)	Transfer of official station.	30.05	Do.

*Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.*

## FOREST SERVICE—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Sudworth, Geo. B.	Assistant forester.	Cassopolis, Mich., and other points in the States of Michigan, Indiana, and Illinois; Missoula, Denver, Albuquerque, Ogden, San Francisco, and the various National Forests within the various districts, and return. (Sept. 14-Dec. 16, 1909.)	For field inspection and dendrological studies connected therewith.	\$729. 10	General expenses, Forest Service, 1910.
Do.	do.	Annapolis, Md., and return. (Mar. 14-21, 1910.)	For the purpose of examining and reporting upon the condition of trees on the Naval Academy and other Government grounds in that vicinity.	24. 55	Do.
Surface, H. E.	Engineer in wood chemistry.	Two trips to Baltimore and return. (Aug. 5-6, 1909.)	For the purpose of inspecting a steam-distillation apparatus which is being built for the Forest Service.	6. 65	Do.
Do.	do.	Baltimore, Md., and return. (Sept. 13, 1909.)	For the purpose of inspecting the distillation and extraction apparatus which is being built at that place.	5. 00	Do.
Do.	do.	Points in Virginia, North Carolina, and Tennessee, and return to Washington, D. C.; thence to points in Maryland, Pennsylvania, West Virginia, and Ohio; thence to Madison, Wis. (Oct. 15-Nov. 26, 1909.)	Conferring with officials of pulp companies and securing information regarding their experimental work and the woods used; inspecting various pieces of machinery being built for the Forest Service; and transfer of official station to Madison, Wis.	173. 48	Do.
Sutormeister, Edwin.	Expert.	Madison, Wis. (Oct. 16-18, 1909.)	Transfer of official station.	30. 65	Do.
Swan, O. T.	Forest assistant.	Madison, Wis.; Chicago, Ill., and return. (June 3-25, 1909.)	To attend a conference in Madison between the products men in charge of the work in the districts and the technical force of the laboratory, the aim being to work over plans for the best use of the laboratory in its relation to the districts and the public, and to discuss the methods for handling proposed projects; and to inspect the work being conducted by the office of wood utilization in Chicago.	103. 30	Do.
Thelen, Rolf.	Chief of timber tests.	Trenton, N. J., and return. (July 16-18, 1909.)	To inspect several hundred miles of telephone and telegraph wire for the Forest Service, manufactured by the John A. Roebling's Sons' Co., and to be shipped to its western branch houses upon the completion of the inspection.	16. 28	Do.
Do.	do.	Madison, Wis. (Nov. 1-2, 1909.)	Transfer of official station.	34. 10	Do.
Tiemann, Harry D.	Chief of wood technology	Madison, Wis. (May 3-5, 1910.)	do.	33. 83	Do.

Tillotson, C. R.....	Forest assistant.....	Various points in Pennsylvania and New England and return. (Oct. 13-Dec. 11, 1909.)	To study northeastern hardwoods, with special reference to the chemical wood industry, and to remeasure the permanent sample plots established five years ago.	144.64	Do.
Do.....	do.....	Denver, Colo. (Apr. 3-6, 1910.)	Transfer of official station.....	55.45	Do.
Varela, A. G.....	Photographer.....	Denver, Colo., and other points in Colorado; Santa Fe, N. Mex.; Flagstaff, Ariz.; Grand Canyon, Albuquerque, N. Mex.; and return. (Oct. 9-Nov. 14, 1909.)	To procure photographs of lumbering operations and silvicultural work.	344.40	Do.
von Bayer, W. H.....	Forest assistant.....	Franklin, Ky., and points throughout that State; Dayton, Tenn.; White Sulphur Springs, W. Va.; and return. (July 2-Oct. 16, 1909.)	Making a study of forest conditions in Kentucky, in cooperation with the State, and advising cooperating private owners of woodland as to the proper care of the same.	229.10	Do.
Wallace, Margaret L.....	Clerk.....	Denver, Colo. (Dec. 18-21, 1909.)	Transfer of official station.....	307.74	Cooperative work, forest investigations.
Warren, Kate D.....	do.....	Madison, Wis. (Oct. 11-13, 1909)	do.....	49.85	General expenses, Forest Service, 1910.
Webster, P. W.....	Laboratory helper.....	Madison, Wis. (May 2-4, 1910)	do.....	33.55	Do.
Weiss, Howard F.....	Chief of wood preservation.....	Columbus, Ind.; Chicago, Ill.; Madison, Wis.; Janesville, Wis.; and return. (Aug. 26-Sept. 9, 1909.)	To supervise experiments, present papers, and discuss wood-preservation problems before the American Railway Engineering and Maintenance of Way Association; to inspect machinery to be installed in the laboratory at Madison, Wis.; to inspect a mile of treated test track near Janesville, Wis., and laid in cooperation with the Chicago and North-western Ry. Co.; to supervise the receipt of machinery at Madison, Wis.; and to confer with the board of underwriters at Chicago, in carrying on proposed tests in fireproofing wood.	25.45	Do.
Do.....	do.....	Philadelphia, Pa.; Dover, N. J.; Chicago, Ill.; Madison, Wis. (Oct. 7-14, 1909.)	Inspect an open-tank portable tie-treating plant operated by the Pennsylvania R. R. Co. at Philadelphia, Pa.; arrange with the commanding officer of Picatinny Arsenal, Dover, for the installation of a tie-treating plant designed by the Forest Service; discuss with Messrs. Howe & Curtis of Chicago, the design of wood-preserving plants, and transfer of official station to Madison, Wis.	62.90	Do.
Wells, Philip P.....	Law officer.....	Phoenix, Ariz.; Albuquerque, N. Mex.; and other points in New Mexico; and return. (Oct. 27-Dec. 20, 1909.)	To hold a conference with the forester at Phoenix, to inspect national forest business upon the forests in Arizona, and to visit the district forester's office at Albuquerque and supervisors' offices at other points in New Mexico.	385.65	Do.
Wharton, Georgia E.....	Clerk.....	Chicago, Ill., and return. (May 7-June 8, 1910.)	Compiling at the Field Columbian Museum in Chicago geographical data pertaining to the range of North American forest trees.	83.75	Do.



Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.

## FOREST SERVICE—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Wiley, W. B.	Forest assistant.	Asheville, N. C., and other points in North Carolina and return. (July 4-Dec. 6, 1909.)	Making a study of forest conditions of North Carolina in cooperation with the State.	\$464.80	General expenses, Forest service, 1910.
Williamson, A. W.	do.	Asheville, N. C., and points throughout the State and return. (July 5-Dec. 6, 1909.)	do.	455.77	Do.
Do.	do.	Madison, Wis., and other points within the State. (May 3-June 21, 1910.)	To take up a study of the relation of forest taxation to forestry and the lumber supply in cooperation with the State of Wisconsin.	142.55	Do.
Winslow, C. P.	Engineer in wood preservation.	(Trip begun in fiscal year 1909.) Indianapolis, Ind., and other points in the State; St. Louis, Mo.; Cleveland, Tex.; Shreveport, La.; Birmingham, Ala.; Wilmington, N. C.; Bluefield, Va., and return to Washington, D. C. (July 1-Oct. 11, 1909.)	To conduct experimental tests in wood preservation in cooperation with I. C. & S. Tractation Co., at Indianapolis and Columbus, Ind., and on completion of same to inspect various wood-preserving plants at the points enumerated.	140.41	Cooperative work, forest investigations.
Do.	do.	Madison, Wis. (Oct. 14-15, 1909.)	Transfer of official station.	36.15	Do.
Yates, Nellie.	Clerk (S. and T.).	Madison, Wis. (Oct. 11-13, 1909.)	do.	23.20	Do.
Zappone, Jr., Claude R.	Rodman.	Orden, Utah. (June 21-24, 1910.)	do.	85.05	Do.
Ziegler, E. A.	Chief of computation.	(Trip begun in fiscal year 1909.) Seattle, Wash., and return. (July 1-Aug. 11, 1909.)	To inspect methods of forest measurement on the national forests.	87.65	Do.
Zinsmeister, Grace M.	Clerk (S. and T.).	Madison, Wis. (Dec. 4-5, 1909.)	Transfer of official station.	29.30	Do.
Zon, Raphael.	Chief of Silvics.	Asheville, N. C., Pisgah station, Pink Beds, and return. (Aug. 9-16, 1909.)	To deliver lectures on silvics and silviculture before the Biltmore Forest School.	40.85	Do.
Do.	do.	Bradford, Pa., and other points in Pennsylvania and return. (Oct. 25-30, 1909.)	To look into the study of the northern hardwoods, carried on by Mr. Frothingham, and to start the remeasurement of permanent sample plots located in 1904.	35.13	Do.
Do.	do.	Lincoln, Nebr.; Denver, Colo.; Albuquerque, N. Mex.; and other points in these districts and return. (Nov. 18-Dec. 10, 1909.)	To take up with Prof. Bessey the matter of securing a man for willow work; to inspect experimental work carried on during the season in the districts, and to meet Mr. Sudworth and prepare the annual report for the meeting of the Plant Breeders' Association of the committee on nut and forest trees.	243.85	Do.
Do.	do.	Various points in the State of Florida and return. (Jan. 20-Feb. 28, 1910.)	Study of possibilities for eucalyptus planting in Florida.	249.39	Do.

## BUREAU OF CHEMISTRY.

Augusterfer, R.	Assistant steam engineer	Schenectady, N. Y.: Lynn, Mass. (June 12-16, 1910).	Inspecting switchboard and balancer set, constructed for use of the Department of Agriculture.	\$40.90	General expenses Bureau of Chemistry, 1910. (Laboratory, transportation.)
Barber, K. G.	Micro analyst	New York, N. Y. (Dec. 10-19, 1909.)	Microscopical examination of imported figs, in connection with the enforcement of the food and drugs act.	49.95	General expenses Bureau of Chemistry, 1910. (Food and drugs act, transportation.)
Do.	do.	Philadelphia, Pa. (Mar. 23, 1910.)	Appearing as a witness at the trial of a case arising under the food and drugs act.	9.60	Do.
Do.	do.	Peoria, Ill. (Apr. 4-22, 1910.)	do.	65.87	General expenses, Bureau of Chemistry, 1910. (Deficiency act, witness fees, etc.)
Do.	do.	Philadelphia, Pa. (June 16, 1910.)	do.	10.40	Do.
Barker, H. W.	Clerk.	Philadelphia, Pa. (June 18-21, 1910.)	do.	24.81	General expenses, Bureau of Chemistry, 1910. (Food and drugs act, transportation.)
Do.	do.	Philadelphia, Pa. (Mar. 16-17, 1910.)	do.	14.70	Do.
Bates, Carleton.	Assistant bacteriologist.	New York, N. Y. (Oct. 11-21, 1909.)	Conducting a bacteriological examination of figs, in connection with the enforcement of the food and drugs act.	51.82	Do.
Do.	do.	Various points within the State of Massachusetts. (Nov. 6-27, 1909.)	Assisting in making a bacteriological examination of market milk, entering into interstate commerce, in connection with the enforcement of the food and drugs act.	86.88	Do.
Do.	do.	Philadelphia, Pa. (Mar. 30-Apr. 1, 1910.)	Appearing as a witness at the trial of a case arising under the food and drugs act.	18.25	Do.
Do.	do.	Atlanta, Ga. (June 19-24, 1910.)	do.	57.90	General expenses, Bureau of Chemistry, 1910. (Deficiency act, witness fees, etc.)
Do.	do.	Various points within the States of New York, Pennsylvania, Michigan, Indiana, Wisconsin, Iowa, Nebraska, Ohio, Kansas, Missouri, and Illinois. (June 24-30, 1910.)	Making a bacteriological examination of fresh, desiccated, frozen, and other egg products, in connection with the enforcement of the food and drugs act.	81.50	General expenses, Bureau of Chemistry, 1910. (Food and drugs act, transportation.)
Bidwell, Geo. L.	Assistant chemist.	Philadelphia, Pa. (Mar. 15-16, 1910.)	Appearing as a witness at the trial of a case arising under the food and drugs act.	13.90	Do.
Do.	do.	Partersburg, W. Va.	do.	35.90	Do.
Bigelow, W. D.	Assistant Chief of Bureau of Chemistry. Chief of the Food Division.	Denver, Colo. (Aug. 21-Sept. 8, 1909.)	Attending a meeting of the Association of Official Agricultural Chemists, as the representative of the Bureau of Chemistry.	120.89	General expenses, Bureau of Chemistry, 1910. (Laboratory, transportation.)
Do.	do.	Boston, Mass. (Nov. 9-12, 1909.)	Work in connection with the enforcement of the food and drugs act.	41.10	General expenses, Bureau of Chemistry, 1910. (Food and drugs act, transportation.)

*Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.*

## BUREAU OF CHEMISTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Bigelow, W. D.	Assistant-Chief of Bureau of Chemistry; Chief of the Food Division.	Baltimore, Md., Philadelphia, Pa., New York city, Springfield, Mass., Boston, Mass., Charlottesville, Va. (Nov. 19-27, 1909.)	Work in connection with the enforcement of the food and drugs act.	\$60.01	General expenses, Bureau of Chemistry, 1910. (Food and drugs act, transportation.)
Do.	do.	Philadelphia, Pa.; New York, N. Y.; Boston, Mass. (Jan. 14-20, 1910.)	do.	70.53	Do.
Do.	do.	New Orleans, La.; Galveston, Tex.; Atlanta and Savannah, Ga. (Feb. 2-22, 1910.)	do.	187.00	Do.
Do.	do.	Philadelphia, Pa. (Mar. 30-31, 1910.)	do.	15.75	Do.
Do.	do.	Biloxi, Miss.; Mobile, Ala.; New Orleans, La.; Nashville, Tenn.; Cincinnati, Ohio. (Apr. 17-30, 1910.)	do.	130.21	Do.
Do.	do.	Kansas City, Mo. (May 31-June 30, 1910.)	do.	175.64	Do.
Boyle, Martin	Scientific assistant.	New York, N. Y. (Mar. 30-Apr. 6, 1910.)	Appearing as a witness at the trial of a case arising under the food and drugs act.	47.55	Do.
Do.	do.	Buffalo, N. Y. (June 16-18, 1910.)	do.	31.40	General expenses, Bureau of Chemistry, 1910. (Deficiency act, witness fees, etc.)
Braceale, J. F.	Laboratory assistant.	Cheyenne, Wyo. (Aug. 24-31, 1909)	Attending a meeting of the Great Plains Cooperative Experiment Association.	106.45	General expenses, Bureau of Chemistry, 1910. (Laboratory, transportation.)
Bryan, A. Hugh	Chief of the sugar laboratory.	Various points within the States of Ohio, Indiana, Pennsylvania, Michigan, West Virginia, New York, Vermont, Massachusetts, Maine, New Hampshire; Dominion of Canada. (Mar. 6-8, 21-26, Apr. 1-10, 1910.)	Conducting an investigation of the maple-sugar industry, analyses of maple sap, and manufacture of maple sirup on a small scale from fresh sap and from sour sap, in order to study the chemical differences, if any.	157.29	Do.
Campbell, W. G.	Chief inspector.	Cincinnati, Ohio; Louisville, Ky.; Nashville, Tenn.; St. Louis, Mo.; Kansas City, Mo.; Oklahoma City, Okla.; Omaha, Nebr.; Denver, Colo.; Salt Lake City, Utah; Spokane, Wash.; Seattle, Wash.; Portland, Oreg.; San Francisco, Cal.; Tucson, Ariz.; Galveston, Tex.; New Orleans, La.; Atlanta, Ga.; Savannah, Ga., and Norfolk, Va. (Aug. 23-31, Oct. 1-Nov. 5, 1909.)	For the purpose of supervising and inspecting the work of the food and drug inspectors, performing work in connection with the enforcement of the food and drugs act.	655.51	General expenses, Bureau of Chemistry, 1910. (Food and drugs act, transportation.)



Do.....	do.....	New Orleans, La.; Louisville, Ky.; Cincinnati, Ohio. (Feb. 2-23, 1910.)	Attending bleached flour trials arising under the food and drugs act.	148.40	Do.
Do.....	do.....	Chicago, Ill.; Indianapolis, Ind.; Cincinnati, Ohio. (Mar. 16-20, 1910.)	Supervising and directing inspection work in connection with the enforcement of the food and drugs act.	60.15	Do.
Do.....	do.....	Chicago, Ill. (Mar. 21-26, 1910.)	do.....	66.75	Do.
Do.....	do.....	Kansas City, Mo. (May 28-June 30, 1910.)	Attending bleached flour trials arising at Kansas City under the food and drugs act.	190.65	Do.
Chace, E. M.....	Assistant Chief of the Food Division.	St. Louis, Mo. (Nov. 6-13, 1909.)	Appearing as a witness at the trial of a case arising under the food and drugs act.	84.99	Do.
Do.....	do.....	St. Louis, Mo. (Nov. 27-Dec. 2, 1909.)	do.....	64.35	Do.
Do.....	do.....	Trenton, N. J.; New York, N. Y. (May 10-11, 1910.)	Appearing as a witness at the trial of a case at Trenton, N. J., and conferring with the chief of the New York laboratory with reference to the importation of essential oils in connection with the enforcement of the food and drugs act.	18.12	Do.
Do.....	do.....	Trenton, N. J. May 17-18, 1910.)	Appearing as a witness at the trial of a case arising under the food and drugs act.	14.25	General expenses, Bureau of Chemistry, 1910. (Deficiency act, witness fees, etc.)
Church, C. G.....	Scientific assistant.	Clemson College, S. C. (July 1-23, 1909.)	Assisting in experiments to determine the influence of environment on sugar corn.	92.58	General expenses, Bureau of Chemistry, 1910. (Laboratory, transportation.)
Do.....	do.....	Travel between Washington, D. C., and College Park, Md. (July 26-Aug. 11, 1909.)	Studying the effect of environment on sugar corn.	4.75	Do.
Do.....	do.....	Points within the States of Missouri, Nebraska, Minnesota, and Colorado. (Aug. 11-25, 1909.)	do.....	130.94	Do.
Do.....	do.....	Harford and Hockanum, Conn.; Orono and Bangor, Me. (Aug. 26-Oct. 4, 1909.)	do.....	233.46	Do.
Do.....	do.....	Gainesville and Miami, Fla. (May 18-June 30, 1910.)	Assisting in conducting experiments in collaboration with the Bureau of Plant Industry to determine the effect of environment on cantaloupes.	198.17	Do.
Dodge, C. O.....	do.....	Auburn, N. Y. (Oct. 4-6, 1909.)	Appearing as a witness at the trial of a case arising under the food and drugs act.	27.42	General expenses, Bureau of Chemistry, 1910. (Food and drugs act, transportation.)
Do.....	do.....	New York, N. Y. (Dec. 8, 1909-June 30, 1910.)	Assisting in the examination of importations of essential oils.	250.00	Do.
Doyle, A. M.....	Chemical aid.	Chicago, Ill. (May 14-18, 1910.)	Appearing as a witness at the trial of a case arising under the food and drugs act.	58.80	General expenses, Bureau of Chemistry, 1910. (Deficiency act, witness fees, etc.)
Do.....	do.....	New York, N. Y. (June 7-30, 1910.)	Conducting certain investigations in the analyses of food products in connection with the enforcement of the food and drugs act.	105.22	General expenses, Bureau of Chemistry, 1910. (Food and drugs act, transportation.)

*Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.*

## BUREAU OF CHEMISTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Dunbar, P. B.	Assistant chemist.	New York, N. Y. (Nov. 1-25, 1909).	Assisting in the analyses of samples in connection with the enforcement of the food and drugs act.	\$105.16	General expenses, Bureau of Chemistry, 1910. (Food and drugs act, transportation.)
Do.	do.	Philadelphia, Pa. (Jan. 12-15, 1910).	Work in connection with the enforcement of the food and drugs act.	24.15	Do.
Do.	do.	Baltimore, Md.; Philadelphia, Pa.; New York, N. Y. (Mar. 20-24, 1910)	Investigating the preparation of nonalcoholic beverages in connection with the enforcement of the food and drugs act.	41.14	Do.
Do.	do.	Boston, Mass. (July 31-Aug. 16, 1909).	Work in connection with the enforcement of the food and drugs act.	48.58	Do.
Do.	do.	New York, N. Y. (Sept. 10-13, 1909).	do.	26.25	Do.
Do.	do.	Between Washington, D. C., New York City, and Baltimore, Md. (Oct. 5-19, 1909.)	do.	41.00	Do.
Do.	do.	New York, N. Y. (Dec. 12-19, 1909).	do.	55.03	Do.
Do.	do.	New York, N. Y., Boston, Mass. (Dec. 26, 1909-Jan. 2, 1910.)	do.	58.73	Do.
Do.	do.	New York, N. Y. (Feb. 3-7, 1910)	do.	35.75	Do.
Do.	do.	New York, N. Y. (Mar. 12-14, 1910)	do.	16.90	Do.
Do.	do.	Travel between Washington, D. C., and Boston, Worcester, and Baltimore. (Mar. 22-June 30, 1910.)	do.	56.80	Do.
Emery, W. O.	Assistant chemist.	Auburn, N. Y. (Oct. 4-6, 1910).	Appearing as a witness at the trial of a case arising under the food and drugs act.	29.97	Do.
Do.	do.	Indianapolis, Ind. (Nov. 2-5, 1909).	do.	52.75	Do.
Do.	do.	Birmingham, Ala. (Mar. 3-14, 1910).	do.	97.25	Do.
Fuller, H. C.	do.	Atlanta, Ga. (Oct. 17-22, 1909)	do.	63.85	Do.
Do.	do.	Indianapolis, Ind. (Nov. 2-6, 1909).	do.	67.60	Do.
Do.	do.	Birmingham, Ala. (Feb. 27-Mar. 13, 1910.)	do.	121.78	Do.
Do.	do.	New York, N. Y. (June 4-10, 1910)	do.	39.90	General expenses, Bureau of Chemistry, 1910. (Deficiency act, witness fees, etc.)
Gallant, C. O. S.	Laboratory helper.	Peoria, Ill. (Apr. 18-22, 1910).	do.	62.50	General expenses, Bureau of Chemistry, 1910. (Food and drugs act, transportation.)
Given, Arthur.	Scientific assistant.	Baltimore, Md. (Sept. 11 and Sept. 16, 1909.)	Investigating and securing special apparatus.	2.90	Do.
Do.	do.	Peoria, Ill. (Dec. 6-11, 1909).	Appearing as a witness at the trial of a case arising under the food and drugs act.	70.85	Do.

Goodnow, E. H.	Assistant chemist.	Lansing, Mich., Benton Harbor, Mich. (Jan. 15-Mar. 8, 1910.)	Conducting experiments in the manufacture of cider vinegar in connection with the enforce- ment of the food and drugs act.	208.82	Do.
Do.	do.	Imlaystown, N. J. (May 23-June 5, 1910.)	Studying the process of the manufacture of vinegar in connection with the enforcement of the food and drugs act.	25.99	Do.
Do.	do.	Benton Harbor, Mich. (June 15-30, 1910.)	Studying the chemical changes taking place in the conversion of cider into vinegar in connection with the enforcement of the food and drugs act.	85.00	Do.
Haywood, J. K.	Chief of the miscellane- ous division.	Auburn, N. Y. (Oct. 3-6, 1909.)	Appearing as a witness at the trial of a case arising under the food and drugs act.	35.72	Do.
Do.	do.	Syracuse, N. Y. (Apr. 1-23 1910)	do.	128.75	Do.
Do.	do.	Ducktown, Tenn., and various points in the States of North Carolina, Ten- nessee, and Georgia. (June 5-12, 1910.)	Investigating and studying the effect of smelter fumes on vegetation.	66.78	General expenses, Bu- reau of Chemistry, 1910. (Laboratory, transpor- tation.)
Herstein, B.	Assistant chemist.	Philadelphia, Pa. (Mar. 16-17, 1910.)	Appearing as a witness at the trial of a case arising under the food and drugs act.	15.25	General expenses, Bu- reau of Chemistry, 1910. (Food and drugs act, transportation.)
Hillyer, W. E.	do.	Cleveland, Ohio; Toledo, Ohio. (Dec. 2-8, 1909.)	do.	58.80	Do.
Do.	do.	Atlanta, Ga. (June 20-24, 1910.)	do.	59.55	General expenses, Bu- reau of Chemistry, 1910. (Deficiency act, wit- ness fees, etc.)
Hoover, Geo. W.	Chief of the Washington drug inspection labo- ratory.	Baltimore, Md. (June 10, 1910.)	Conferring with customs officials relative to inspection of imported food and drug prod- ucts in connection with the enforcement of the food and drugs act.	2.85	General expenses, Bu- reau of Chemistry, 1910. (Food and drugs act, transportation.)
Houghton, H. W.	Assistant chemist.	Norfolk, Va. (June 3-7, 1910.)	Securing fresh, live fish to be used in connection with experiments on deterioration in con- nection with the enforcement of the food and drugs act.	19.91	General expenses, Bu- reau of Chemistry, 1910. (Deficiency act, mis- cellaneous expenses.)
Howard, B. J.	Chief of the microchem- ical laboratory.	Philadelphia, Pa.; New York, N. Y. (Nov. 9-19, 1909.)	Making a microscopical examination of figs in connection with the enforcement of the food and drugs act.	51.55	General expenses, Bu- reau of Chemistry, 1910. (Food and drugs act, transportation.)
Do.	do.	New York, N. Y. (Dec. 10-19, 1909.)	do.	45.33	Do.
Do.	do.	Philadelphia, Pa. (Mar. 23, 1910.)	Appearing as a witness at the trial of a case arising under the food and drugs act.	8.80	Do.
Do.	do.	New York, N. Y. (Mar. 31-Apr. 6, 1910.)	do.	33.95	Do.
Do.	do.	Cincinnati, Ohio. (May 10-15, 1910)	do.	45.55	Do.
Do.	do.	Cincinnati, Ohio; Lafayette, Ind.; Chicago, Ill. (June 2-16, 1910.)	Investigating the manufacture of food products in connection with the enforcement of the food and drugs act.	89.07	Do.
Do.	do.	Philadelphia, Pa. (June 20-21, 1910.)	Appearing as a witness at the trial of a case arising under the food and drugs act.	14.77	General expenses, Bu- reau of Chemistry, 1910. (Deficiency act, wit- ness fees, etc.)
Do.	do.	Atlanta, Ga. (June 21-24, 1910.)	do.	51.95	Do.



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## BUREAU OF CHEMISTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Hudson, C. S.	Assistant chemist.	Princeton, N. J.; Baltimore, Md. (Nov. 17-20, 1910.)	Securing evidence and data necessary to be used in connection with bleached flour cases arising under the food and drugs act.	\$18.29	General expenses, Bureau of Chemistry, 1910. (Food and drugs act, transportation.) Do.
Jacobs, B. R.	do.	New York, N. Y. (Mar. 31-Apr. 6, 1910.)	Appearing as a witness at the trial of a case arising under the food and drugs act.	48.85	
Do.	do.	Kansas City, Mo. (June 6-20, 1910.)	do.	135.85	General expenses, Bureau of Chemistry, 1910. (Deficiency act, witness fees, etc.)
Jenkins, Minnie.	Assistant bacteriologist.	Cincinnati, Ohio, and various points within and throughout the States of Ohio, Kentucky, and Indiana. (June 2-19, 1910.)	Investigating the milk supply, entering interstate commerce, in connection with the enforcement of the food and drugs act.	100.05	General expenses, Bureau of Chemistry, 1910. (Food and drugs act, transportation.) Do.
Kehler, L. F.	Chief of Drug Division.	Atlanta, Ga. (Oct. 16-31, 1909)	Appearing as a witness in the trial of a case arising under the food and drugs act.	80.70	
Do.	do.	Indianapolis, Ind. (Nov. 3-6, 1910.)	do.	53.50	Do.
Do.	do.	Cincinnati, Ohio, Cleveland, Ohio; Detroit, Mich.; Chicago, Ill.; Des Moines, Iowa; Nashville, Tenn.; Philadelphia, Pa.; New York, N. Y.; Atlanta, Ga., and Chattanooga, Tenn. (Mar. 3-19, Apr. 1-30, June 15-30, 1910.)	Collecting evidence, securing witnesses, etc., necessary to be used in the prosecution of cases arising under the food and drugs act.	331.45	Do.
Do.	do.	Richmond, Va. (May 2-6, 1910.)	Attending the annual convention of the American Pharmaceutical Society.	24.50	Do.
Keister, John T.	Scientific assistant.	Philadelphia, Pa. (Mar. 17-18, 1910.)	Appearing as a witness at the trial of a case arising under the food and drugs act.	13.05	Do.
LeClerc, J. A.	Acting chief of the vegetable physiological laboratory.	New York, N. Y. (Mar. 31-Apr. 6, 1910.)	do.	45.75	Do.
Do.	do.	Kansas City, Mo. (June 6-15, 1910.)	do.	107.73	General expenses, Bureau of Chemistry, 1910. (Deficiency act, witness fees, etc.)
Do.	do.	Hays, Kans.; Fort Collins, Colo.; Logan, Utah; Reno, Nev.; Berkeley, Cal.; Corvallis, Oreg.; Pullman, Wash.; Fargo, N. Dak. (June 10-30, 1910.)	For studying field conditions where experiments on the influence of environment in the composition of cereals are being carried on and for the purpose of consulting with experts who have conducted experiments in milling and baking; in collaboration with the Bureau of Plant Industry.	150.00	General expenses, Bureau of Chemistry, 1910. (Laboratory transportation.)

Lee, R. E.....	Assistant chemist.....	Louisville, Ky. (Mar. 7-22, 1910).....	Studying the yeasting methods used in connection with denatured alcohol work.	95. 31	Do.	General expenses, Bureau of Chemistry, 1910. (Food and drugs act, transportation.)
LeFebvre, C. C.....	do.....	Auburn, N. Y. (Oct. 4-6, 1910).....	Appearing as a witness at the trial of a case arising under the food and drugs act.	30. 12		
Liepsner, Frank W.....	do.....	Kansas City, Mo. (June 11-30, 1910).....	Work incident to the bleached flour trials in connection with the enforcement of the food and drugs act.	45. 75		
Morgan, F. P.....	Scientific assistant.....	Indianapolis, Ind. (Nov. 1-6, 1909).....	Appearing as a witness at the trial of a case arising under the food and drugs act.	86. 75	Do.	
Do.....	do.....	Columbus, Ohio. (Dec. 14-16, 1909).....	do.....	35. 05	Do.	
Do.....	do.....	Little Rock, Ark. (Apr. 10-17, 1910).....	do.....	94. 10	Do.	
Morgan, W. J.....	Assistant chemist.....	Utica, N. Y. (Dec. 7-11, 1909).....	do.....	36. 65	Do.	
Patrick, Geo. E.....	Chief of the dairy laboratory.	Various points within the States of Washington, Oregon, and California. (Aug. 2-Sept. 28, 1908.)	Investigating the manufacture of evaporated milks in connection with the enforcement of the food and drugs act.	242. 84	Do.	
Pitts, Jesse A.....	Laboratory helper.....	Boston, Mass. (Nov. 10-21, 1909).....	Assisting in the work incident to the inspection of interstate shipments of milk in connection with the enforcement of the food and drugs act.	68. 16	Do.	
Read, E. A.....	Micro analyst.....	New York, N. Y. (Dec. 10-19, 1909).....	Microscopical examination of imported figs in connection with the enforcement of the food and drugs act.	47. 58	Do.	
Do.....	do.....	Philadelphia, Pa. (Mar. 23, 1910).....	Appearing as a witness at the trial of a case arising under the food and drugs act.	9. 70	Do.	
Do.....	do.....	Philadelphia, Pa. (Mar. 30-31, 1910).....	do.....	14. 85	Do.	
Do.....	do.....	Parkersburg, W. Va. (June 13-16, 1910.)	do.....	34. 30	Do.	
Do.....	do.....	Philadelphia, Pa. (June 18-21, 1910).....	do.....	24. 41	General expenses, Bureau of Chemistry, 1910. (Deficiency act, witness fees, etc.)	
Do.....	do.....	Various points within the States of New York, Pennsylvania, Michigan, Indiana, and Illinois. (June 24-30, 1910.)	Making microscopical and bacteriological investigations of fresh, desiccated, frozen, and other egg products in connection with the enforcement of the food and drugs act.	76. 80	General expenses, Bureau of Chemistry, 1910. (Food and drugs act, transportation.)	
Riley, J. G.....	Assistant chemist.....	Boston, Mass. and various points within the State of Massachusetts. (Nov. 7-Dec. 18, 1909.)	Assisting in the inspection of interstate shipments of milk in connection with the enforcement of the food and drugs act.	91. 70	Do.	
Do.....	do.....	Philadelphia, Pa. (Mar. 16-18, 1910).....	Appearing as a witness at the trial of a case arising under the food and drugs act.	20. 70	Do.	
Do.....	do.....	Cincinnati, Ohio. (June 4-23, 1910) ..	Assisting in the investigation of the milk supply entering into interstate commerce in connection with the enforcement of the food and drugs act.	128. 00	Do.	
Salant, Wm.....	Pharmacologist.....	Birmingham, Ala. (Mar. 7-12, 1910).....	Appearing as a witness at the trial of a case arising under the food and drugs act.	69. 75	Do.	
Do.....	do.....	Kansas City, Mo. (May 29-June 5, 1910.)	do.....	98. 30	General expenses, Bureau of Chemistry, 1910. (Deficiency act, witness fees, etc.)	

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## BUREAU OF CHEMISTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Sawyer, H. E.	Expert	Philadelphia, Pa. (Oct. 12-13, 1909)...	Inspecting an experimental denatured alcohol plant to procure information relative to construction, etc.	\$16.55	General expenses, Bureau of Chemistry, 1910. (Laboratory, transportation.)
Sherwood, Sidney	Laboratory helper	Various points within the State of Ohio. (Mar. 18-31, 1910.)	Assisting in the work of maple-sugar investigations, and manufacturing maple syrup on a small scale from fresh sap and from sour sap, so as to study the chemical differences, if any.	68.85	Do.
Shively, Rex	Assistant chemist	Indianapolis, Ind. (Nov. 2-5, 1909)...	Appearing as a witness at the trial of a case arising under the food and drugs act.	53.25	General expenses, Bureau of Chemistry, 1910. (Food and drugs act, transportation.)
Skinner, W. W.	do.	Albany, N. Y. (Oct. 4-7, 1909)...	do.	30.42	Do.
Do.	Chief of the water laboratory.	Syracuse, N. Y. (Apr. 3-23, 1910)...	do.	105.46	Do.
Do.	do.	New York, N. Y. (June 6-7)...	do.	18.25	General expenses, Bureau of Chemistry, 1910. (Deficiency act, witness fees, etc.)
Do.	do.	New York, N. Y. (June 13, 1910)...	do.	18.35	Do.
Stephenson, C. H.	Assistant chemist	Birmingham, Ala. (Mar. 7-12, 1910)...	do.	65.50	General expenses, Bureau of Chemistry, 1910. (Food and drugs act, transportation.)
Do.	do.	Dayton, Ohio. (May 21-June 12, 1910).	Assisting in the examination of stamped envelop paper for the Post Office Department.	97.06	General expenses, Bureau of Chemistry, 1910. (Laboratory, transportation.)
Stiles, Geo. W., jr.	Bacteriological chemist	Travel between Washington, D. C., and points within the States of New York, New Jersey, Pennsylvania, Delaware, Maryland, and Virginia. (Sept. 20-29, 1909; Oct. 4-29; May 26-June 2, 1910.)	Making bacteriological examination and inspection of mineral and other springs and waters, such as are sold in the market, in connection with the enforcement of the food and drugs act.	185.39	General expenses, Bureau of Chemistry, 1910. (Food and drugs act, transportation.)
Do.	do.	Albany, N. Y. (Oct. 5, 1909)...	Appearing as a witness at the trial of a case arising under the food and drugs act.	12.65	Do.
Do.	do.	Various points within the States of New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut. (Nov. 8-20, 1909.)	Making bacteriological examination of market milk entering into interstate commerce in connection with the enforcement of the food and drugs act.	72.58	Do.



Do.....	do.....	Various points within the State of Maine. (Feb. 7-13, 1910.)	Making bacteriological examination of natural ice, in connection with the enforcement of the food and drugs act.	\$39.55	Do.
Do.....	do.....	Various points within the States of Maryland, New York, New Jersey, Delaware, Virginia, Connecticut, Massachusetts. (Feb. 14-21; Mar. 9-16; Mar. 23-25; Apr. 3-8; June 27-30, 1910.)	Conducting bacteriological examination of shellfish entering into interstate commerce in connection with the enforcement of the food and drugs act.	188.89	Do.
Do.....	do.....	Philadelphia, Pa. (Mar. 30-Apr. 2, 1910.)	Appearing as a witness at the trial of a case arising under the food and drugs act.	22.25	Do.
Do.....	do.....	Syracuse, N. Y. (Apr. 10-22, 1910.)	do.....	68.17	Do.
Do.....	do.....	Various points within the State of New Jersey. (May 16-19, 1910.)	Studying and securing samples of shellfish, in connection with the enforcement of the food and drugs act.	14.55	Do.
Do.....	do.....	Cincinnati, Ohio, and various points within the States of Ohio, Kentucky, and Indiana. (June 5-11, 1910.)	Inspecting the milk supply entering interstate commerce, in connection with the enforcement of the food and drugs act.	59.20	Do.
Do.....	do.....	Buffalo, N. Y. (June 16-18, 1910)	Appearing as a witness at the trial of a case arising under the food and drugs act.		
Do.....	Scientific assistant.....	Clemson College, South Carolina. (July 1-23, 1909.)	Assisting in experiments to determine the influence of environment on sugar corn.	31.00	General expenses, Bureau of Chemistry, 1910. (Deficiency act, witness fees, etc.)
Do.....	do.....	Hartford and Hockanum, Conn. (July 26-28, 1909.)	do.....	123.43	General expenses, Bureau of Chemistry, 1910. (Laboratory, transportation.)
Do.....	do.....	Points within the States of Alabama, Missouri, Nebraska, Minnesota, and Colorado. (July 29-Sept. 6, 1909.)	do.....	22.75	Do.
Do.....	do.....	Hartford and Hockanum, Conn., Orano and Bangor, Me. (Oct. 6-Nov. 4, 1909.)	Conducting a study of the effect of environment on sugar corn.	289.05	Do.
Do.....	do.....	Gainesville and Miami, Fla. (May 18-June 30, 1910.)	Conducting experiments in collaboration with the Bureau of Plant Industry, to determine the effect of environment on canteloupes.	173.60	Do.
Sullivan, A. L.....	Food and drug inspection chemist.....	Fort Worth, Tex. (Mar. 19-28, 1910)....	Appearing as a witness at the trial of a case arising under the food and drugs act.	238.66	Do.
Do.....	do.....	Charlottesville, Va. (May 25-26, 1910).	Securing information on the subject of pomace wines in connection with the enforcement of the food and drugs act.	124.55	General expenses, Bureau of Chemistry, 1910. (Food and drugs act, transportation.)
Tolman, L. M.....	Chief of the Washington food inspection laboratory.....	Various points within the States of Ohio, Michigan, Indiana, and Pennsylvania. (Nov. 7-17, 1909.)	Conducting an investigation of the manufacture and adulteration of cider vinegars, in connection with the enforcement of the food and drugs act.	8.85	Do.
Do.....	do.....	Cleveland and Toledo, Ohio. (Dec. 2-5, 1909.)	Appearing as a witness in cases arising under the food and drugs act, and conferring with the United States attorney.	92.82	Do.
				37.70	Do.

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## BUREAU OF CHEMISTRY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Tolman, L. M.	Chief of the Washington food inspection laboratory.	Benton Harbor, Mich. (Jan. 1-6, 1910).	Investigations relative to the manufacture and preparation of cider vinegar, in connection with the enforcement of the food and drugs act.	\$57.95	General expenses, Bureau of Chemistry, 1910. (Food and drug act, transportation.)
Do.	do.	Benton Harbor, Mich. (Feb. 1-7, 1910.)	do.	63.15	Do.
Do.	do.	Baltimore, Md. (June 10, 1910).	Conferring with customs officials relative to inspection of imported food and drug products, in connection with the enforcement of the food and drugs act.	2.85	Do.
Veitch, F. P.	Chief of the leather and paper laboratory.	Portland and Rumford, Me. (July 28-Aug. 3, 1909.)	Testing cardboard and assisting the Post Office Department in an investigation of the current postal card contract.	54.90	General expenses, Bureau of Chemistry, 1910. (Laboratory transportation.)
Do.	do.	Various points within the States of Virginia, North Carolina, South Carolina, Georgia, and Florida. (Oct. 19-29; June 20-29, 1910.)	Investigating the adulteration of turpentine and rosin, in connection with the enforcement of the food and drugs act.	123.22	General expenses, Bureau of Chemistry, 1910. (Food and drugs act, transportation.)
Do.	do.	Philadelphia, Pa.; New York City; Boston, Mass. (Nov. 16-18, 1909.)	Studying and investigating methods employed in testing and examining contract supplies, for the departments of the Government.	22.80	General expenses, Bureau of Chemistry, 1910. (Laboratory transportation.)
Do.	do.	Various points within the States of North Carolina, South Carolina, and Georgia. (June 20-29, 1910.)	Conducting experiments on the grading of rosins at the still.	49.88	Do.
Walker, P. H.	Chief of the contracts laboratory.	Atlantic City, N. J. (July 1-5, 1909)	Attending a meeting of the American Society for Testing Materials.	9.75	Do.
Do.	do.	Atlantic City, N. J. (Apr. 14-16, 1910.)	Examining paint tests and exhibits at that place.	18.30	Do.
Do.	do.	Atlantic City, N. J. (June 28-30, 1910.)	Attending a meeting of the American Society for Testing Materials.	19.15	Do.
Weber, F. C.	Physiological chemist.	Peoria, Ill. (Dec. 4-14, 1909)	Appearing as a witness in a case arising under the food and drugs act.	79.85	General expenses, Bureau of Chemistry, 1910. (Food and drugs act, transportation.)
Do.	do.	New York, N. Y. (Mar. 30 and Apr. 4-6, 1910.)	do.	44.80	Do.
Do.	do.	Herridon, Va. (June 27, 1910)	Inspecting milk supply furnished, which enters interstate commerce, in connection with the enforcement of the food and drugs act.	2.60	Do.
Wiley, H. W.	Chief of the Bureau of Chemistry.	Denver, Colo. (Aug. 14-31, 1909)	Work in connection with the enforcement of the food and drugs act.	130.25	Do.

Do.....	Chicago and Peoria, Ill. (Dec. 4-11, 1909.)	do.....	80.90	Do.
Do.....	Boston, Mass.; St. Louis, Mo.; St. Paul, Minn.; Chicago, Ill. (Mar. 13-31, 1910.)	do.....	132.95	Do.
Do.....	Do.....	do.....	3.80	Do.
Do.....	Do.....	do.....	55.55	Do.
Young, F. D.....	Do.....	For permanent assignment.	99.95	Do.

## BUREAU OF SOILS.

				General expenses, Bureau of Soils, 1910. (Soil survey.)
Bassett, C. C.....	Scientist in soil survey.....	To consult with and secure information from the lithograph establishments of A. Hoen & Co. and Julius Bien & Co., of Baltimore and New York, respectively, to gain a better understanding of methods, with a view to the more economical preparation of the drawings for soil survey maps.	\$22.34	
Do.....	Do.....	To adjust traverse work in the field in connection with the soil survey of Bradford County, Pa.	23.35	Do.
Bennett, H. H.....	Do.....	To investigate and report upon the agricultural possibilities of the Isthmian Canal Zone, with special reference to soils and their relation to crops, at request of the War Department.	344.92	Do.
Bonsteel, J. A.....	Do.....	To inspect soil survey work in those States.....	128.70	Do.
Do.....	Do.....	To inspect soil survey work in that State.....	63.49	Do.
Do.....	Do.....	To inspect soil survey work in that State and to discuss with State officials and others the progress and results of such work, and to consult with such officials regarding future work to be undertaken.	29.66	Do.
Bowie, John R.....	Publicity agent.....	To gather material for newspaper articles on the work of this bureau in the State of New York.	40.10	General expenses, Bureau of Soils, 1910. (Administrative expenses.)
Do.....	Do.....	To acquire information from the field for the publicity work of the bureau.	38.90	Do.
Do.....	Do.....	To visit soil survey areas in course of survey and contemplated for assignment, for the purpose of acquiring information from the field for the publicity work of the bureau.	87.95	Do.



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## BUREAU OF SOILS—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Bowie, John R.	Publicity agent.	Various points in North Carolina, South Carolina, Georgia, Florida, Alabama, and Tennessee and return. (Oct. 16-22, 1909.)	To visit soil survey areas in course of survey and contemplated for assignment, for the purpose of acquiring information in the field for the publicity work of the bureau.	\$72.34	General expenses, Bureau of Soils, 1910. (Administrative expenses.)
Do.	do.	Raleigh and Goldsboro, N. C., and return. (Nov. 4-8, 1909.)	To attend conferences in Raleigh regarding soil survey work.	46.10	Do.
Do.	do.	New York, N. Y., and return. (Apr. 27-28, 1910.)	To obtain for publication data regarding the use to be made of the soils in the State of New York.	17.50	Do.
Brown, B. E.	Scientist in soil laboratory investigations.	State College, Pa. (Apr. 8, 1910) .....	To resume his duties in connection with the cooperative work being carried on between this bureau and the Pennsylvania Experiment Station.	10.29	General expenses, Bureau of Soils, 1910. (Soil laboratory investigations.)
Carr, M. Earl	Scientist in soil survey.	Various points in the State of New York and return. (Mar. 15-24, 1910.)	To consult with the officials of the New York State College of Agriculture and others regarding soil survey work in the State of New York for the coming year.	49.97	General expenses, Bureau of Soils, 1910. (Soil survey.)
Fallyer, G. H.	Scientist in soil laboratory investigations.	Various points in the State of Virginia and return. (Oct. 6-12, 1909.)	To study the soils in Prince William, Pittsylvania, and Fazeswell counties with reference to their barium content, and to collect samples of soil for analysis in the laboratories of this bureau.	39.45	General expenses, Bureau of Soils, 1910. (Soil laboratory investigations.)
Jackson, A. M.	Laboratory aid.	State College, Pa., and return. (Apr. 4-7, 1910.)	To give special assistance in the cooperative fertility investigations being carried on with the Pennsylvania Experiment Station.	26.03	Do.
McGee, W. J.	An expert.	Various points in the States of Nebraska, South Dakota, and Washington and return. (July 14-Oct. 9, 1909.)	To confer with field men regarding soil conditions encountered in the areas in course of survey, particularly with reference to investigating soil-water conditions.	574.52	General expenses, Bureau of Soils, 1910. (Soil water investigations.)
Do.	do.	Various points in the State of Mississippi and return. (Feb. 5-19, 1910.)	To consult with the governor and other state officials in regard to cooperative soil survey work in that State. Also to visit the areas in course of survey to gather information regarding the subject of soil erosion.	145.80	Do.
Schreiner, Oswald	Scientist in soil laboratory investigations.	State College, Pa., and return. (July 14-19, 1909.)	To confer with the director of the Pennsylvania Experiment Station and members of his staff in regard to cooperative fertilizer experiments carried on.	29.81	General expenses, Bureau of Soils, 1910. (Soil laboratory investigations.)
Do.	do.	New Brunswick, N. J., and New York, N. Y., and return. (Nov. 15-18, 1909.)	To confer with the directors of the New Jersey Experiment Station and the New York Botanical Garden in regard to cooperative work in soil fertility investigations.	25.72	Do.

Do.....	do.....	Ithaca, N. Y., and return. (May 2-5, 1910.)	To confer with the officials of the Cornell Experiment Station regarding fertility investigations.	36.20	Do.
Waggaman, W. H.....	do.....	Gainesville, Fla. (Jan. 20-21, 1910)...	To make detailed and systematic examinations of the supplies of phosphatic materials in the soils and subsoils of various regions in the State of Florida.	24.54	Do.
Do.....	do.....	Richmond, Va., and return. (June 25-28, 1910.)	To consult with officials of various fertilizer companies in regard to the special fertilizer needs of the soils of the South Atlantic and Middle Western States, and the probable facilities for supplying the types of fertilizers which the demands of these regions will require.	4.89	Do.
Whitney, Milton.....	Chief of bureau.....	Various points in the State of New York and return. (July 5-11, 1909.)	To consult with State officials and others interested in regard to soil-survey work in that State, and especially the distribution of the work to be undertaken in the future.	39.43	General expenses, Bureau of Soils, 1910. (Administrative expenses.)
Do.....	do.....	Various points in the State of New York and return. (Sept. 22-26, 1909.)	To inspect the soil-survey work in that State, and to confer with those interested regarding the results thereof.	28.69	Do.
Do.....	do.....	Various points in the State of New York and return. (Oct. 11-15, 1909.)	do.....	32.80	Do.
Do.....	do.....	New York, N. Y., and return. (Apr. 25-27, 1910.)	To attend and take part in conferences with State officials and others on agricultural conditions in that State.	14.00	Do.
Do.....	do.....	New York, N. Y., and return. (May 12-13, 1910.)	do.....	18.65	Do.

## BUREAU OF ENTOMOLOGY.

Barber, H. S.....	Assistant.....	Melrose Highlands, Mass. (June 6-30, 1910.)	Investigations of the use of arc lights in determining the number of and sexes of brown-tail moths which are attracted to light.	\$52.03	Preventing spread of moths, 1910.
Busek, August.....	Temporary entomological assistant.....	Philadelphia, Pa.; New York, N. Y.; Montclair, N. J., and Cambridge, Mass. (Oct. 17-Nov. 2, 1909.)	Comparison and study of entomological specimens in the Museum of the Academy of Natural Sciences, American Museum of Natural History, W. D. Kearfott of Montclair, and Museum of Comparative Zoology.	77.50	General expenses, Bureau of Entomology, 1910. (Miscellaneous insects.)
Clifton, R. S.....	Executive assistant.....	New York, N. Y. (July 8-10, 1909)...	Conference with chief of bureau.	21.15	Do.
Do.....	do.....	Boston, Mass. (June 10-12, 1910).....	Conference with special agent in charge of gipsy-moth field work.	31.90	Preventing spread of moths, 1910.
Howard, L. O.....	Chief of bureau.....	Florida and Georgia. (Jan. 19-29, 1910.)	Conference with agents and experts of bureau and Florida State officials concerning investigations of white fly.	119.50	General expenses, Bureau of Entomology, 1910. (Miscellaneous insects.)
Do.....	do.....	Points in Massachusetts. (Aug. 22-26, 1909.)	Conference with agents and experts of bureau and inspection of gipsy-moth laboratory, and field work in New England States.	42.40	Preventing spread of moths, 1910.

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## BUREAU OF ENTOMOLOGY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Howard, L. O.....	Chief of bureau.....	Boston, Mass., and stop-over in New York City and Brooklyn, N. Y. (Oct. 19-23, 1909.)	Conference with agents and experts of bureau and inspection of gipsy-moth laboratory and field work in New England States, and conference with officials of New York and Brooklyn entomological societies and museums.	\$43. 45	Preventing spread of moths, 1910.
Do.....	do.....	Boston, Mass. (Dec. 22-29, 1909).....	Conference with expert in charge of gipsy-moth laboratory and attending meeting of association of horticultural inspectors.	54. 75	Do.
Do.....	do.....	Europe. (Mar. 17-June 30, 1910).....	Conference with European agents of bureau and the State of Massachusetts concerning importation of parasites of gipsy moth and brown-tail moth.	1, 008. 32	Do.
Kelcher, T. A.....	Clerk.....	Through State of Virginia. (Sept. 19-Oct. 16, 1909.)	Clerical assistance in the field in recording observations and records of experimental and demonstration sprayings.	50. 80	General expenses, Bureau of Entomology, 1910. (Deciduous fruit insects.)
Sasscer, E. R.....	Scientific assistant.....	Whittier, Cal. (July 23-Nov. 22, 1909).	Assisting in investigation of insects affecting citrus plants and experiments in hydrocyanic-acid gas fumigation.	303. 43	General expenses, Bureau of Entomology, 1910. (Citrus fruit insects.)
Do.....	do.....	Miami, Fla. (May 29-June 4, 1910).....	Inspection of subtropical gardens of Department of Agriculture and reporting upon injurious insects imported on foreign plants.	99. 10	Do.
Schwarz, E. A.....	Assistant.....	Dallas, Tex., and thence to points in Mexico. (Nov. 16, 1909-Jan. 19, 1910.)	Collecting and studying the life history of ticks and other injurious insects liable to be introduced into United States.	275. 00	General expenses, Bureau of Entomology, 1910. (Miscellaneous insects.)
Smyth, E. G.....	Assistant preparator.....	Norfolk, Va., and points in Virginia, North Carolina, and South Carolina. (Sept. 16, 1909-June 16, 1910.)	Conducting investigations of truck-crop and stored-product insects within a radius of 250 miles of Washington, D. C., and within and throughout the States of Virginia, North Carolina, and South Carolina.	172. 83	General expenses, Bureau of Entomology, 1910. (Truck-crop and stored-product insects.)
Strauss, J. F.....	Artist.....	Melrose Highlands, Mass. (Apr. 5-27, 1910.)	Making drawings of parasitic insects under personal supervision of experts at gipsy-moth parasite laboratory.	85. 00	Preventing spread of moths, 1910.
Viereck, H. L.....	Agent and expert.....	Philadelphia, Pa. (Jan. 21-Feb. 1, 1910.)	Study and comparison of important parasitic insects contained in collections of Academy of Natural Sciences.	30. 00	Do.



## BUREAU OF BIOLOGICAL SURVEY.

## EXPENDITURES FOR TRAVEL.

119

Anthony, H. E.....	Agent.....	Various points in Oregon and Montana. (May 1-June 30, 1910.)	Collecting data and specimens relating to geographic distribution of animals and plants, on habits of mammals and birds, and crop adaptations.	\$170.50	General expenses, Bureau of Biological Survey, 1910. (Biological investigations.) Do.
Bailey, Vernon.....	Assistant in charge of biological investigations.	Various points in Oregon, Washington, North and South Dakota, and California. (July 9-Nov. 15, 1909.)	.....do.....	683.85	
Beal, F. E. L.....	Assistant in charge of economic ornithology.	Various points in Washington, Oregon, Idaho, Nevada, and California. (July 7-Nov. 21, 1909.)	Studying the food habits of birds in connection with agriculture, horticulture, and forestry.	601.70	General expenses, Bureau of Biological Survey, 1910. (Food habits of birds and mammals.)
Birdseye, C.....	Expert field naturalist..	Various parts of northern Arizona and southern Utah. (July 6-Nov. 20, 1909.)	Collecting data and specimens relating to geographic distribution of animals and plants, on habits of mammals and birds, and crop adaptations.	603.62	General expenses, Bureau of Biological Survey, 1910. (Biological investigations.)
Do.....	do.....	Bitter Root Valley, Montana. (Mar. 8-June 30, 1910.)	Collecting mammals of the region, studying their habits with reference to the origin and transmission by ticks of the so-called spotted fever of the Rocky Mountain region.	549.69	General expenses, Bureau of Biological Survey, 1910. (Food habits of birds and mammals.)
Brewster, C. E.....	Game law expert.....	Various points in New Jersey, Pennsylvania, Ohio, Kentucky, Tennessee, Missouri, Arkansas, and Oklahoma. (Nov. 26-Dec. 23, 1909.)	Investigating the condition of game, sources of supply for the markets, methods of transportation, the kinds and relative amount of game on sale in the principal centers, methods employed in hunting and marketing wild fowl shipped by interstate commerce.	201.31	General expenses, Bureau of Biological Survey, 1910. (Game preservation.)
Do.....	do.....	Various points in Michigan, Wisconsin, and Minnesota. (Mar. 19-June 1, 1910.)	Investigating the present condition and abundance of deer and their destruction by wolves, together with the methods employed by hunters and trappers for killing wolves.	437.18	Do.
Cary, Merritt.....	Assistant biologist.....	Various points in Colorado, Wyoming, and Montana. (July 1-Oct. 31, 1909.)	Studying the distribution and depredations of prairie dogs and other injurious animals, making experiments to find most economical methods of destroying these pests, and collecting data on the economic status of birds.	414.65	General expenses, Bureau of Biological Survey, 1910. (Food habits of birds and mammals.)
Do.....	do.....	Various points in Wyoming. (May 1-June 30, 1910.)	Collecting data and specimens relating to geographic distribution of animals and plants, on habits of mammals and birds, and crop adaptations.	347.38	General expenses, Bureau of Biological Survey, 1910. (Biological investigations.)
Do.....	do.....	Washington, D. C., from station at Nethin, Nebr. (Nov. 1, 1909-Jan. 4, 1910.)	Preparing report on biological survey of Colorado.	148.93	Do.
Dawson, Leon.....	Inspector, bird reservations.	Various points in Washington. (June 1-30, 1910.)	Inspecting bird reservations of the State.....	44.73	General expenses, Bureau of Biological Survey, 1910. (Maintenance of mammal and bird reservations.)

*Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.*

## BUREAU OF BIOLOGICAL SURVEY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Dearborn, Ned.....	Expert biologist.....	Various points in Colorado, New Mexico, and Wyoming. (Apr. 7-June 30, 1910.)	Carrying on investigations to determine practical methods of combating depredations of prairie dogs and other injurious rodents.	252.75	General expenses, Bureau of Biological Survey, 1910. (Food habits of birds and mammals.)
Finley, W. L.....	Agent.....	Points between Tucson, Ariz., and various points in New Mexico and Arizona. (June 1-30, 1910.)	Inspecting bird reservations.....	50.00	General expenses, Bureau of Biological Survey, 1910. (Game preservation.)
Fisher, A. K.....	In charge of economic investigations.	Various points in New Mexico, Arizona, California, Oregon, Washington, and Idaho. (July 19-Oct. 9, 1909.)	Studying the depredations of field mice, gophers, ground squirrels, rabbits, and mammals of economic importance. Gathering data on the present status of birds in their relation to agriculture, horticulture, and forestry.	485.90	General expenses, Bureau of Biological Survey, 1910. (Food habits of birds and mammals.)
Forbush, E. H.....	Agent.....	Various points in Massachusetts, Rhode Island, Connecticut, New York, New Jersey, and Pennsylvania. (June 1-30, 1910.)	Making investigations on the Starling.....	100.00	General expenses, Bureau of Biological Survey, 1910. (Game preservation.)
Goldman, E. A.....	Field naturalist.....	Various points in New Mexico and Arizona. (July 29-Dec. 3, 1909.)	Studying the distribution and depredations of prairie dogs and other injurious rodents, and experimenting to find out the most economical methods of destroying these pests.	747.77	General expenses, Bureau of Biological Survey, 1910. (Food habits of birds and mammals.)
Hodges, A. R.....	Warden, National Bison Range.	From Ravalli, Mont., to Missoula and other points in the State. (Sept. 25, Oct. 1-30, Nov. 6-27, 1909.)	On business pertaining to the care and maintenance of the Bison Range.	127.00	General expenses, Bureau of Biological Survey, 1910. (Maintenance of mammal and bird reservations.)
Hollister, Ned.....	Expert.....	Various points in both northern and southern California. (July 1-Nov. 13, 1909.)	Collecting data on distribution of animals and plants, on food habits of mammals and birds, and crop adaptations.	609.89	General expenses, Bureau of Biological Survey, 1910. (Biological investigations.)
Howell, A. H.....	Assistant biologist.....	Various points in Kentucky, Mississippi, Virginia, and West Virginia. (July 1-25, 1909.)	Studying distribution, habits, and depredations of mammals and gathering data on the economic status of birds.	129.97	General expenses, Bureau of Biological Survey, 1910. (Food habits of birds and mammals.)
Do.....	do.....	Various points in Virginia, Maryland, and District of Columbia. (Sept. 13-Dec. 31, 1909.)	Studying the food habits of the mole and other mammals and birds of economic importance.	4.65	Do.
Do.....	do.....	Bitter Root Valley, Mont. (Mar. 8-Apr. 14, 1910.)	Collecting mammals of the region, studying their habits with reference to the origin and transmission by ticks of the so-called spotted fever of the Rocky Mountain region.	206.31	Do.

Howell, A. H.	Assistant biologist.	Various points in South Dakota, Arkansas, Tennessee, and Kentucky. (Apr. 15-June 30, 1910.)	Collecting data on the economic status and geographic distribution of mammals and birds of the regions.	362.94	General expenses, Bureau of Biological Survey, 1910. (Biological investigations.)
Jewett, S. G.	Agent.	Various points in eastern Oregon and Idaho. (Apr. 16-June 30, 1910.)	Collecting data on the economic status and geographic distribution of mammals and birds of the regions.	221.50	Do.
Lantz, D. E.	Assistant biologist.	Various points in District of Columbia, Maryland, and Virginia. (July 13-Sept. 30, 1909; Nov. 1, 1909-Mar. 1, 1910.)	Carrying on investigations in relation to the depredations of mammals to agriculture, horticulture, and forestry.	7.00	General expenses, Bureau of Biological Survey, 1910. (Food habits of birds and mammals.)
Do.	do.	Allaire, N. J. (Oct. 7-9, 1909).	Investigating the depredations of field mice in orchards.	14.55	Do.
Do.	do.	Chicago, Ill. and St. Louis, Mo. (Mar. 12-22, 1910.)	Studying the depredations of rats in stockyards and packing houses, with a view to making recommendations for their suppression.	87.45	Do.
Do.	do.	Various points in Ohio, Iowa, Kansas, Colorado, New Mexico, Wyoming, South Dakota, Nebraska, Missouri, Indiana. (Apr. 7-June 30, 1910.)	Taking up investigations in relation to prairie dogs and certain other mammals.	279.53	Do.
McAtee, W. L.	do.	Various points in eastern Massachusetts. (July 18-Aug. 11, 1909.)	Making economic investigations of the food habits of birds in relation to the gypsy and brown-tailed moths.	82.32	Do.
Do.	do.	Various points on the Atlantic coast from Boston, Mass., to North and South Carolina, Florida, and Louisiana. (Aug. 4, 1909-Mar. 8, 1910.)	Studying the relation of waterfowl to the available food supply.	446.78	Do.
Do.	do.	Various points in West Virginia. (Sept. 18-23, 1909.)	Studying the relations of birds to the codling moth.	23.95	Do.
Do.	do.	Chicago, Ill. (Mar. 8-16, 1910).	Study of collection of woods in Field Museum on damage done to trees by sap suckers.	75.00	Do.
Merriam, C. Hart.	Chief of bureau.	New York, N. Y. (Dec. 5-10, 1909).	Representing Biological Survey at annual meeting of the American Ornithologists' Union.	16.30	General expenses, Bureau of Biological Survey, 1910. (Administrative expenses.)
Do.	do.	Ravalli, Mont., and various points in California. Oct. 25-Dec. 4, 1909.)	Inspecting Bison Range in Montana, and collecting data on the distribution of animals and plants, food habits of mammals and birds, and crop adaptations in California.	464.05	Do.
Nelson, E. W.	Chief field naturalist.	Various points in northern Arizona and southern Utah. (July 6-Sept. 30, 1909.)	Gathering data on the geographic distribution of animals and plants, adaptations of areas to crops, and economic habits of animals.	667.93	General expenses, Bureau of Biological Survey, 1910. (Biological investigations.)
Oldys, Henry.	Assistant biologist.	Baltimore, Md. (Oct. 22-23, 1909).	Representing Biological Survey at annual meeting of Maryland Game and Fish Protective Association.	5.00	General expenses, Bureau of Biological Survey, 1910. (Game preservation.)
Palmer, T. S.	Assistant in charge of game preservation.	Chicago, Ill., Madison, Wis., St. Louis, Mo., Indianapolis, Ind., Columbus, Ohio, and various other points in States named. (Oct. 2-24, 1909.)	Conferring with State officials in connection with the work of game protection.	81.03	Do.



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## BUREAU OF BIOLOGICAL SURVEY—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Palmer, T. S.	Assistant in charge of game preservation.	New Orleans, La., and other places in Louisiana, Florida, and Georgia. (Feb. 2-18, 1910.)	Conferring with game commissioners and investigating various matters pertaining to game protection, and representing the Biological Survey at the meeting of the National Association of Game Commissioners and Wardens.	\$150.00	General expenses, Bureau of Biological Survey, 1910. (Game preservation.)
Do.	do.	Various points in New York, Pennsylvania, New Jersey, and Maryland. (Jan. 13-14; Jan. 24-27; Feb. 22-23, 1910.)	Supervising the inspection service of foreign birds and conferring with State officials concerning game preservation.	73.15	Do.
Piper, S. E.	Scientific assistant.	Various points in California, Nevada, Oregon, Arizona, New Mexico, and Colorado. (June 30-July 1, 1910.)	Carrying on experiments in destroying field mice, gophers, ground squirrels, prairie dogs, and other mammals of economic importance, and gathering data on economic status of birds.	1,112.10	General expenses, Bureau of Biological Survey, 1910. (Food habits of birds and mammals.)
Prible, E. A.	Assistant biologist.	Various points in West Virginia. (Nov. 17-28, 1909.)	Collecting small mammals and gathering data for mapping the life zones of the State.	33.85	General expenses, Bureau of Biological Survey, 1910. (Biological investigations.)
Do.	do.	Points in Montana and British Columbia. (May 21-June 30, 1910.)	Collecting data on the economic status and geographic distribution of the mammals and birds of the region.	195.95	Do.
Streeter, D. D.	Expert field naturalist.	Various points in North and South Dakota, Montana, and Idaho. (July 9-Dec. 17, 1909.)	do.	696.59	Do.
Do.	do.	Various points in Wyoming. (May 2-June 30, 1910.)	do.	162.85	Do.
Wetmore, Alex.	Agent.	Various points in Wyoming. (June 1-30, 1910.)	Collecting data and specimens relating to the geographic distribution of animals and plants, on food habits of mammals and birds, and crop adaptations.	50.00	Do.

## DIVISION OF ACCOUNTS AND DISBURSEMENTS.

Calvert, Edgar B.	Assistant, Chief, Division of Accounts.	Mount Weather, Va. (July 13-14; Dec. 2-3, 1909; Jan. 21, Feb. 9-10, 1910.)	Arranging details in connection with the construction and inspection of buildings.	\$14.46	General expenses, Weather Bureau, 1910. (Traveling expenses.)
Do.	do.	Richmond, Va. (Aug. 19, Oct. 10-11, 1909, and Jan. 24-25, 1910.)	Selection of site and arranging details in connection with the construction of observatory building.	29.00	Do.

Do.....	do.....	Ablene, Tex.; Dodge City, Kans.; St. Joseph, Mo.; Chicago, Ill., and Indianapolis, Ind. (Nov. 4-16, 1909.)	Inspection of observatory buildings preliminary to acceptance and examination of Weather Bureau accounts.	104.25	Do.
Do.....	do.....	Canton, N. Y. (Jan. 10-12, 1910.)	Inspection of observatory buildings at Lansing, Mich., and Northfield, Vt., preliminary to acceptance; arranging for quarters in the public building at Grand Rapids, Mich., and the examination of Weather Bureau accounts.	44.15	Do.
Do.....	do.....	Lansing and Grand Rapids, Mich., and Northfield, Vt. (Mar. 1-8, 1910.)		92.53	Do.
Do.....	do.....	Jacksonville, Jupiter, Key West, and Sand Key, Fla. (May 3-14, 1910.)	Inspection of observatory building at Jupiter, Fla.; arranging for the reconstruction of observatory building at Sand Key, Fla., and the examination of Weather Bureau accounts.	108.65	Do.
DIVISION OF PUBLICATIONS.					
Brown, F. H.....	Photographer.....	Brandy, Culpeper, Orange, Charlottesville, Rockfish Gap, Amherst, Monroe, Lynchburg and Danville, Va.; Greensboro, Charlotte, and Asheville, N. C.; Dandridge, Knoxville, Clinton, Cleveland, Chattanooga, Missionary Ridge, and Chickamauga Park, Tenn.; Scottsboro, Huntsville, and Decatur, Ala.; Jackson and Memphis, Tenn.; Clarksdale, Greenville, and Vicksburg, Miss.; Tallulah, Monroe, Mansfield, Alexandria, Lafayette, and New Orleans, La.; Mobile, Montgomery, and Troy, Ala.; Atlanta, Ga. (Nov. 1, 1909-Jan. 8, 1910.)	Trip through 35 towns, including all important roads in their respective counties, for purpose of securing photographs and data concerning road construction and maintenance, to be used in reporting experimental work of office and for illustrating office publications.	\$438.80	General expenses, Office of Public Roads, 1910. (Reports of investigations.)
Williams, L. S.....	Assistant in charge of illustrations.	Rochester, N. Y. (Aug. 5-6, 1909.)	Inspecting special photographic apparatus with a view to its being purchased by the division.	32.40	General expenses, Division of Publications, 1910. (Miscellaneous expenses.)
Do.....	do.....	Chicago, Ill.; Milwaukee, Wis.; St. Paul, and Duluth, Minn. (Aug. 9-26, 1909.)	For the purpose of securing photographic records of plant breeding and farm management experiments.	151.81	Contingent expenses, Department of Agriculture, 1910.
Do.....	do.....	Various points in Beaufort and Hyde counties, N. C. (Sept. 16-23, 1909.)	Taking photographs of drainage experiments for illustration of publications.	33.73	Drainage investigations, 1910.
Do.....	do.....	New York City and Ithaca, N. Y. (Oct. 6-14, 1909.)	Taking photographs of city dairy in New York and of chicken industry in Ithaca, N. Y.	71.02	General expenses, Division of Publications, 1910. (Miscellaneous expenses.)

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## BUREAU OF STATISTICS.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Andrews, Frank.....	Statistical scientist.....	San Diego, Los Angeles, Pomona, Bakersfield, Fresno, Merced, Stockton, San Francisco, Cal.; Portland, Oreg.; Tacoma, Walla Walla, Spokane, Wash. (May 3-June 22, 1910.)	Securing information relative to the transportation and marketing of farm products.	\$398.47	General expenses, Bureau of Statistics, 1910. (Special investigations.)
Holmes, George K.....	do.....	Various points in Great Britain, France, Italy, Austria-Hungary, Germany, and Holland. (Nov. 22, 1909-Feb. 15, 1910.)	To investigate the collecting of agricultural statistics, farmers' economic cooperation, the cooperative distribution of agricultural products, and the cooperative buying of farmers' supplies.	825.96	Do.
Murray, Nat. C.....	Assistant statistician.....	Lexington, Ky.; Okeene, Okla.; Carbondale, Colo.; Salt Lake City, Utah; Corvallis, Oreg.; Kennewick, Wash.; Moscow, Idaho; Madison, Wis.; Columbus, Ohio. (April 11-30, 1910.)	Investigation of work and offices of statistical State agents.	285.92	Do.
Olmsted, Victor H.....	Statistician.....	Boston, Mass.; Randolph, Vt.; Presque Isle, Me.; Syracuse, N. Y.; West Cornwall, Conn.; Milford, Del.; Mechanicsville, Pa. (Sept. 11-28, 1909.)	Investigation of work and offices of special field agents and State statistical agents, and the collection of special statistical data concerning agricultural conditions in the territories visited.	123.57	Do.
Do.....	do.....	Florence, S. C.; Atlanta, Ga.; Tallahassee, Fla.; Auburn, Ala.; Carrollton, La.; Laurel, Miss.; Abbeville, La.; Charles, La.; Houston, San Antonio, Austin, Tex.; San Francisco, Sacramento, El Centro, Cal.; Mena, Ark. (Jan. 4-Mar. 1, 1910.)	do.....	518.14	Do.
Rutter, Frank R.....	Statistical scientist.....	New York, N. Y. (Dec. 27-31, 1909)...	To attend meeting of American Statistical Association.	30.00	Do.

## LIBRARY.

Barnett, Claribel, R.....	Librarian.....	Mackinac Island, Mich.....	Representing the Library of the Department of Agriculture at the meeting of the American Library Association.	\$47.85	Library, Department of Agriculture, 1910.
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## OFFICE OF EXPERIMENT STATIONS.

Allen, E. W.	Assistant director.	Agricultural experiment stations in Pennsylvania, New York, Massachusetts, and Rhode Island. (July 25-Sept. 7, 1909.)	Inspection of State experiment stations under act of Mar. 2, 1887, and amendatory acts, and conferences with officials of colleges and experiment stations in relation to their work and conditions. Address on "Adams' fund work in horticulture," before the American Pomological Society. Inspection of State experiment stations under act of Mar. 2, 1887, and amendatory acts, and conferences with officials of colleges and experiment stations in relation to their work and expenditures.	\$136.93	Agricultural experiment stations, 1910.
Do.	do.	St. Catherine, Ontario. (Sept. 11-15, 1909.)	do.	47.00	Do.
Do.	do.	Agricultural experiment stations in Massachusetts, New Hampshire, New York, and New Jersey. (Nov. 17-23, 1909.)	do.	51.91	Do.
Do.	do.	Agricultural experiment stations in Wyoming and Idaho. (June 21-30, 1910.)	do.	113.20	Do.
Beal, W. H.	Chief of division.	Agricultural experiment stations in Ohio, Colorado, Wyoming, Nevada, California, Oregon, and Washington. (July 18-Aug. 31, 1909.)	do.	381.44	Do.
Do.	do.	Agricultural experiment stations in Delaware and Maryland. (Sept. 20 and Oct. 6, 1909.)	do.	8.99	Do.
Do.	do.	Agricultural experiment stations in Arkansas, Kansas, Nebraska, and Iowa. (May 22-June 11, 1910.)	do.	172.97	Do.
Do.	do.	Agricultural experiment stations in Virginia and Tennessee. (June 14-29, 1910.)	do.	47.05	Do.
Crosby, D. J.	Specialist, agricultural education.	Denver, Colo. (July 2-12, 1909).	Conference with school officials and teachers in relation to methods of teaching agriculture and collection of information relating to such methods. Addresses on district agricultural schools of Georgia and collection of information regarding methods of teaching agriculture in schools. Address on methods of teaching agriculture in public schools before Pennsylvania Summer School for Teachers. Address on methods of teaching agriculture in public schools. Address on methods of teaching agriculture in public schools before State Teachers' Association. Collection of information in relation to methods of conducting work in agricultural schools and conferences with school trustees concerning courses in agriculture.	118.37	Agricultural experiment stations, 1910. (Farmers' institutes.)
Do.	do.	Various points in Georgia. (July 20-23, 1909.)	do.	53.15	Do.
Do.	do.	Philadelphia, Pa. (Aug. 3-4, 1909).	do.	9.87	Do.
Do.	do.	Mount Carmel, Md. (Sept. 25, 1909).	do.	1.85	Do.
Do.	do.	New Haven and Hartford, Conn. (Oct. 21-23, 1909.)	do.	23.50	Do.
Do.	do.	Memphis, Tenn., Little Rock, Ark., and Louisville, Ky. (Nov. 10-16, 1909.)	do.	87.15	Do.

*Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.*

## OFFICE OF EXPERIMENT STATIONS—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Crosby, D. J.	Specialist, agricultural education.	Baltimore, Md. (Nov. 29-30, 1909).....	Conference with educational committee, Maryland State Grange, in relation to courses of agriculture in Maryland schools and collection of information for report.	\$8.92	Agricultural experiment stations, 1910. (Farmers' institutes.)
Do.	do.	Charlotte, N. C. (Dec. 28-30, 1909).....	Address on methods of teaching agriculture in public schools before North Carolina State Teachers' Association.	23.85	Do.
Do.	do.	Albany, N. Y. (Jan. 19-20, 1910).....	Address on work of agricultural schools before New York Agricultural Society.	30.90	Do.
Do.	do.	Richmond, Va. (Feb. 3, 1910).....	Conference with officials, State department of education and experiment stations regarding system of agricultural schools for State.	9.95	Do.
Do.	do.	Annapolis and Baltimore, Md. (Feb. 16, 1910.)	Conference with Maryland school officials in relation to methods of teaching agriculture in public schools.	1.90	Do.
Do.	do.	Madison, Wis.; St. Paul and Winona, Minn., and Urbana, Ill. (Mar. 15-27, 1910.)	Collection of information for report on work of agricultural schools and address on agricultural education, before Minnesota Conservation and Agricultural Development Congress, St. Paul, Minn.	112.49	Do.
Do.	do.	Various points in Tennessee and Arkansas. (Apr. 5-10, 1910.)	Conference with officials of agricultural schools and colleges in relation to the introduction of agricultural courses in public schools.	87.25	Do.
Do.	do.	Elk Creek, Va. (Apr. 21-24, 1910).....	Conference with officials of School of Agriculture in relation to construction of agricultural courses in that institution.	25.70	Do.
Do.	do.	Dover, Del., and Ocean City, Md. (June 29-30, 1910.)	Conference with officials of public institutions on methods of developing agricultural education and address on "Agriculture in the High School" before American State Teachers' Association.	11.99	Do.
Elliot, C. G.	Chief of drainage investigations.	Various points in Mississippi, Missouri, Nebraska, Oklahoma, Illinois, and North Carolina. (July 1-31, 1909.)	General supervision and planning of drainage experiments.	160.93	Drainage investigations, 1910.
Do.	do.	Various points in Virginia, Missouri, and Texas. (Aug. 17-31, 1909.)	do.	96.95	Do.
Do.	do.	Various points in Texas, Colorado, California, Oregon, Utah, and Washington. (Sept. 1-30, 1909.)	do.	253.22	Do.
Do.	do.	Various points in Oregon, Wyoming, Nebraska, Missouri, Kansas, Iowa and Illinois. (Oct. 4-13, 1909.)	do.	123.34	Do.

Do.	do.	Various points in Virginia, Pennsylvania, Delaware, and New Jersey. (Oct. 21-Nov. 2, 1909.)	38.45	Do.
Do.	do.	Various points in Iowa, Kansas, and Illinois. (Nov. 20-30, 1909.)	99.24	Do.
Do.	do.	New York, N. Y. (Jan. 18-21, 1910.)	18.35	Do.
Do.	do.	Ithaca, N. Y., and various points in North Carolina. (Feb. 8-14, 1910.)	45.04	Do.
Do.	do.	Various points in Virginia, Louisiana, Mississippi, and Tennessee. (Mar. 15-31, 1910.)	111.75	Do.
Do.	do.	Various points in North Carolina and South Carolina. (Apr. 10-14, 28-30, 1910.)	48.80	Do.
Do.	do.	Various points in South Carolina, Mississippi, Louisiana, Arkansas, Missouri, Iowa, Illinois and Tennessee. (May 2-15, 21-27, 1910.)	211.71	Do.
Do.	do.	North Yakima and other points in Washington. (June 17-30, 1910.)	124.82	Do.
Ervin, Guy	Stenographer and typewriter.	Boise, Idaho. (June 23-27, 1910.)	91.50	Irrigation investigations, 1910.
Evans, Walter H.	Chief of division.	Agricultural experiment stations in Maine, Vermont, Massachusetts, Connecticut, and New Jersey. (Sept. 11-30, 1909.)	133.28	Agricultural experiment stations, 1910.
Do.	do.	Agricultural experiment station in Greenville, S. C. (Nov. 17-21, 1909.)	37.25	Do.
Forler, Samuel	Chief of irrigation investigations.	Island Pond, Vt., to Washington, D. C., and thence to various points in California and Oregon. (July 7-24, 1909.)	204.60	Irrigation investigations, 1910.
Do.	do.	Various points in California, Utah, Colorado, Montana, and Washington, to Washington, D. C. (Aug. 1-31, 1909.)	352.04	Do.
Do.	do.	Vineland, N. J., and Philadelphia, Pa. (Nov. 3-5, 1909.)	11.79	Do.
Do.	do.	Various points in Tennessee, Arkansas, and Texas. (Mar. 15-31, 1910.)	97.25	Do.
Do.	do.	El Paso, Tex., to Washington, D. C. (Apr. 4-8, 1910.)	107.05	Do.
Do.	do.	Various points in Colorado. (June 22-30, 1910.)	74.45	Do.
Garrety, W. P.	Scientific assistant.	Baltimore, Md. (May 6, 1910.)	2.00	Nutrition investigations, 1910.



*Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.*

## OFFICE OF EXPERIMENT STATIONS—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Hamilton, John.....	Specialist, farmers' institutes.	Various points in Texas, Arizona, California, Oregon, and Washington. (Aug. 2-Sept. 10, 1909.)	Investigating and reporting upon the organization and progress of farmers' institutes, and attending convention of American Association of Farmers' Institute Workers, Portland, Ore.	\$254.25	Agricultural experiment stations, 1910. (Farmers' institutes.)
Do.....	do.....	Various points in Iowa, Illinois, Indiana, Ohio, and Pennsylvania. (Nov. 8-20, 1909.)	Address on farmers' institutes work before national grange, Des Moines, Iowa, and conference with directors of farmers' institutes and college officials in relation to organization and progress of farmers' institutes.	95.80	Do.
Do.....	do.....	Lansing, Mich., and Harrisburg, Pa. (Dec. 7-10, 1909.)	Attend meeting Michigan Farmers' Clubs, and investigation of organization and progress of farmers' institutes.	46.46	Do.
Do.....	do.....	Morgantown, W. Va. (Jan. 13-15, 1910.)	Attend winter course in agriculture, University of West Virginia, deliver address on organization and progress of farmers' institutes.	23.40	Do.
Do.....	do.....	Harrisburg, Pa. (Jan. 25-27, 1910).....	Attend meeting Pennsylvania State Board of Agriculture to confer upon organization and progress of farmers' institutes.	19.07	Do.
Do.....	do.....	Philadelphia, Pa. (Feb. 9, 1910).....	Address on farmers' institutes work before the Century Club.	8.50	Do.
Do.....	do.....	New York, N. Y. (Apr. 22-23, 1910).....	Attend meeting American Association of Farmers' Institute Workers to gather information upon organization and progress of farmers' institutes.	15.65	Do.
Howe, F. W.....	Assistant in agricultural education.	Vicksburg, Miss., to Washington, D. C. (July 1, 1909.)	En route to official headquarters.....	1.35	Do.
Do.....	do.....	Charlottesville, Va. (July 14-16, 1909).....	Address on teaching agriculture in public schools before University of Virginia at Summer School for Teachers.	10.65	Do.
Do.....	do.....	Various points in Wisconsin, Minnesota, North Dakota, Iowa, Illinois, and Ohio. (July 24-Aug. 13, 1909.)	Gathering information relating to work of agricultural colleges and schools and series of lectures on teaching of elementary agriculture in public schools before Summer School for Teachers, North Dakota Agricultural College.	125.90	Do.
Do.....	do.....	Rock Hill, S. C. (Nov. 12-14, 1909).....	Address in interests of agricultural education before meeting of teachers and farmers, Winthrop Normal and Industrial College.	29.90	Do.
Do.....	do.....	Leesburg, Va. (Nov. 20, 1909).....	Address on elementary education in agriculture and demonstration of methods of instruction to Boys' and Girls' Club before meeting of farmers and their families.	1.65	Do.

Do.....	do.....	Various points in New York, Missouri, Kansas, and Colorado. (Dec. 9, 1909-Jan. 3, 1910.)	Philopolis, Md. (Apr. 8-9, 1910).....	Gathering information for report on methods of instruction in agricultural schools and addresses on certain phases of public school agriculture.	203.18	Do.
Do.....	do.....		Philopolis, Md. (Apr. 22, 1910) .....	Address and demonstration on seed corn before Corn Congress at Baltimore County Agricultural High School.	2.46	Do.
Do.....	do.....			Conference with officials of Baltimore County Agricultural School and Maryland Agricultural College and Experiment Station in relation to utilization of school farm and equipment for agricultural educational purposes.	2.46	Do.
Do.....	do.....		Calvert, Md. (May 27, 1910) .....	Address on agricultural educational work before Calvert Agricultural High School.	4.27	Do.
Do.....	do.....		Pierre, S. Dak. (June 27-30, 1910).....	Address on agricultural educational work before South Dakota Conservation and Development Congress.	47.45	Do.
Langworthy, C. F.....	Nutrition expert.....	Boston, Mass. (Dec. 29, 1909-Jan. 3, 1910)		Address on nutrition work of department before American Home Economics Association and conference with officials of Carnegie Institution nutrition laboratory in relation to types of respiration calorimeters.	44.40	Nutrition investigations, 1910.
Do.....	do.....	New York, N. Y. (Apr. 9-12, 1910) ..		Conference with officials of Columbia University in relation to investigations in nutrition.	29.35	Do.
Do.....	do.....	Lake Placid, N. Y. (June 28-30, 1910).		Conference with experts on work of department with respiration calorimeter, conduct of dietary studies in public institutions, and problems of economical living.	20.15	Do.
Milner, R. D.....	Assistant, nutrition investigations.	Boston, Mass. (Nov. 27-Dec. 1, 1909).		Investigation of scientific apparatus applicable to respiration calorimeter.	36.65	Do.
Do.....	do.....	Philadelphia Pa. (Dec. 2, 1909).....		Investigation of scientific apparatus for use in connection with respiration calorimeter.	8.75	Do.
Do.....	do.....	Philadelphia, Pa. (Jan. 6-7, 1910) ...		Conference with manufacturers in connection with alterations in apparatus for use in connection with respiration calorimeter.	6.95	Do.
Do.....	do.....	Philadelphia, Pa. (Feb. 21-22, 1910) ..		Conference with manufacturers in relation to electrical devices for use in connection with respiration calorimeter.	8.43	Do.
Do.....	do.....	Philadelphia, Pa.; New York; N. Y., and Boston, Mass. (Mar. 29-Apr. 2, 1910.)		Conference with experts in relation to construction of electrical refrigerating devices for use in connection with respiration calorimeter.	36.83	Do.
Do.....	do.....	Philadelphia, Pa. (Apr. 26-27, 1910) ..		Conference with manufacturers in relation to construction of electrical apparatus for use in connection with respiration calorimeter.	10.98	Do.
Morse, E. W.....	Editor, Animal Husbandry.	Agricultural experiment stations in Ohio and Illinois and Chicago, Ill. (Nov. 25-Dec. 7, 1909.)		Conferences with officials of agricultural experiment stations in relation to their work and conditions and address on experiment station work before the American Society of Animal Nutrition.	85.24	Agricultural experiment stations, 1910.
Do.....	do.....	Sandyville, Md. (July 3-4, 1909) .....		Address on methods of teaching agriculture in public schools.	4.16	Agricultural experiment stations, 1910. (Farmers' institutes.)

*Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.*

## OFFICE OF EXPERIMENT STATIONS—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Morse, E. W.	Editor, Animal Husbandry.	Various points in New Hampshire. (July 25-27, 1909.)	Address in interests of agricultural education before New Hampshire Board of Agriculture.	\$36.30	Agricultural experiment stations, 1910. (Farmers' institutes.)
True, A. C.	Director.	Plattsburg, N. Y. (July 2-8, 1909) ...	Representing the Secretary of Agriculture at a grand meeting held in connection with tercentary celebration.	27.50	Agricultural experiment stations, 1910.
Do.	do.	Agricultural experiment stations in New York, Illinois, Minnesota, North Dakota, Oregon, Montana, and Winnipeg, Manitoba. (Aug. 5-31, 1909.)	Inspection of State experiment stations under act of Mar. 2, 1887, and amendatory acts and attending meeting of British Association for the Advancement of Science at Winnipeg, Manitoba.	214.74	Do.
Do.	do.	Agricultural experiment stations in North Dakota, South Dakota, Wisconsin, Iowa, Nebraska, and Chicago, Ill. (Sept. 1-21, 1909.)	Inspection of State experiment stations under act of Mar. 2, 1887, and amendatory acts and attending convention of associations of agricultural colleges and experiment stations and farmers' institute workers at Chicago, Ill.	139.78	Do.
Do.	do.	New York, N. Y., and Boston, Mass. (Nov. 10-14, 1909.)	Address on agricultural education before a conference with county department of New York Young Men's Christian Association and conference with president New Hampshire Agricultural College in relation to the work of New Hampshire experiment stations.	37.65	Do.
Do.	do.	Durham, N. H. (Jan. 11-14, 1910) ...	Conference with Board of Control of New Hampshire Experiment Station in relation to the conduct of station work.	33.68	Do.
Do.	do.	Charleston, W. Va. (Feb. 10-13, 1910) .	Conference with Board of Control, West Virginia Experiment Station and other State officials in relation to the general conduct of agricultural experiment stations.	32.10	Do.
Do.	do.	Hampton and Norfolk, Va. (Mar. 22-27, 1910.)	Inspection of work of agricultural schools at Hampton and Virginia Truck Experiment Station, vicinity Norfolk.	9.65	Do.
Do.	do.	Agricultural experiment stations in Florida, Louisiana, Texas, and Oklahoma. (Apr. 11-May 1, 1910.)	Inspection of State experiment stations under act of Mar. 2, 1887, and amendatory acts.	191.95	Do.
Do.	do.	Agricultural experiment stations in Alabama, Mississippi, Georgia, and South Carolina. (May 16-30, 1910.)	do	84.62	Do.
Do.	do.	Chicago, Ill. (June 28-30, 1910) .....	do	24.45	Do.
Wright, J. O.	Supervising drainage engineer.	Elizabeth City, N. C., and Popes Creek, Md. (July 9-17, 22-23, 1909.)	En route inspection of State experiment stations, Western States. Conference with landowners and board of education regarding proposed drainage in Hyde County, N. C., and with landowners regarding best system of drainage at Popes Creek.	25.22	Drainage investigations, 1910.



Do.....	.....do.....	Various points in North Carolina. (Aug. 8-15, 23-31, 1909.)	Address meeting of farmers and landowners on general drainage problems, and inspection and supervision of drainage work in North Carolina.	114. 93	Do.
Do.....	.....do.....	Various points in North Carolina and Louisiana. (Sept. 4-29, 1909.)	Address meeting of farmers and landowners on general drainage problems, and inspection of drainage work in North Carolina.	140. 44	Do.
Do.....	.....do.....	Various points in Louisiana, Missouri, and North Carolina. (Oct. 1-16, 1909.)	Address meeting of farmers and landowners on general drainage problems and local conditions, and inspection of drainage work in North Carolina.	104. 87	Do.
Do.....	.....do.....	Various points in North Carolina. (Nov. 9-14, 28-29, 1909.)	Address State Drainage Convention at Newbern, N. C., on general drainage problems and local conditions, and examination of swamp land.	61. 70	Do.
Do.....	.....do.....	Various points in North Carolina. (Dec. 1-8, 1909.)	Address meetings of farmers and landowners on general drainage problems and local conditions.	65. 65	Do.
Do.....	.....do.....	Norfolk, Va. (Jan. 21-23, 1910).....	Explanation of plans for draining Pantego district before officials and engineers of Norfolk & Southern Ry. Co. and effect upon lands of the company.	20. 20	Do.

## OFFICE OF PUBLIC ROADS.

Adler, Julius.....	Civil engineer student.....	Nashville, N. C.; Laurinburg, N. C., and Ithaca, N. Y. (Aug. 10-Sept. 24, 1909.)	Assisting in constructing sand-clay and earth object-lesson roads at Nashville and sand-clay at Laurinburg. Assisting in constructing bituminous macadam road at Ithaca.	\$107. 40	General expenses, Office of Public Roads, 1910. (Investigating road building and maintenance.) Do.
Ahles, Carl C.....	Highway engineer.....	Waycross, Ga.; Dothan, Ala.; Hinesville, Ga.; Hartsville and Darlington, S. C. (Apr. 28-June 30, 1910.)	Inspecting sand-clay object-lesson roads and advising with local authorities at Hinesville and Waycross. Constructing sand-clay object-lesson roads at Dothan, Hartsville, and Darlington.	126. 65	
Anderson, Andrew P.....	.....do.....	Seattle, Shelton, and Seattle, Wash. (July 10-Sept. 16, 1909.)	Fifteen illustrated lectures on road management and construction at Seattle. Preliminary inspection of road at Shelton and advising with local road authorities.	220. 60	Do.
Do.....	.....do.....	Hyattsville, Md. (Sept. 27-Oct. 5, 1909.)	Advice in regard to construction of macadam road at Hyattsville.	( <sup>1</sup> )	
Barrows, Lucius D.....	Junior highway engineer.	Cordell and Chandler, Okla.; Kearney and Ravenna, Nebr.; Imboden, Annville and Evening Shade, Ark. (July 1, 1909-Jan. 15, 1910.)	Survey to locate road at Cordell. Making plans and specifications of proposed road at Chandler. Lecture on road construction at Kearney. Building sand-clay road at Ravenna. Relocating road site at Evening Shade. Advising road authorities at Imboden. Preliminary work on object-lesson road at Annville.	287. 41	Do.

<sup>1</sup> No expense except car tickets; kept in stock at office.

*Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.*

## OFFICE OF PUBLIC ROADS—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Barrows, Lucius D.....	Junior highway engineer.	Grand Cane, La. (Feb. 11-Mar. 23, 1910.)	Assisting in building earth object-lesson road..	\$87.40	General expenses, Office of Public Roads, 1910. (Investigating road building and maintenance.)
Block, Edward.....	Photographer.....	Vienna, Va. (Dec. 18, 1909).....	Assisting in giving illustrated lecture, operating stereopticon, etc., before civic improvement association.	.70	General expenses, Office of Public Roads, 1910. (Reports of investigations.)
Boykin, L. E.....	Expert.....	Apex, N. C. (July 2-6, 1909).....	Lecture on road administration, economies, and revenues, before road improvement association.	25.80	General expenses, Office of Public Roads, 1910. (Road management.)
Do.....	do.....	Sanford, Cameron, Southern Pines, Washington, Grimesland, and Grimley's Church, N. C.; Gracewood, Stapleton, Harlem, Irwinton, Sandersville, Culverton, Warrenton, Crawfordville, Lincolnton, Thomson, and Gibson, Ga.; Pontotoc, Houston, Pittsboro, Okolona, Montpelier, Waltham, Coffeeville, Water Valley, Carrollton, Winona, Vaiden, Kosciusko, Grenada, Chester, and Ackerman, Miss.; Americus, Leesburg, Lumpkin, Richland, Preston, Cordale, Vienna, Abbeville, Fitzgerald, Hawkinsville, Cochran, and Jeffersonville, Ga. (July 25-Sept. 23, 1909.)	Forty-four lectures on road administration, economies, and revenues at county seats before county road officials and public men interested in road improvement.	306.10	Do.
Do.....	do.....	Roon Mountain, Shell Creek, Hampton, Colesville, Elizabethton, Simons Creek, and Hyders Church, Tenn.; Hickory, N. C.; Danville, Va. (Oct. 5-15, 1909.)	Illustrated lectures on road economies, administration and revenues; lecture at Hickory not illustrated. Conference with road authorities in Danville. Lectures before county road officials and public men interested in road improvement.	51.02	Do.
Do.....	do.....	Dallas, Liberty, and Beaumont, Tex.; Shreveport, La.; Miller, Reidsville, Darien, Hindsville, Clyde, Springfield, Sylvania, Waynesboro, Girard and Statesboro, Ga. (Oct. 18-Nov. 22, 1909.)	Lectures as above at Dallas, Liberty, and Shreveport. Inspecting roads at Beaumont and advising with authorities. Ten lectures as above in the Georgia tour, before representative road improvement associations.	234.83	Do.
Do.....	do.....	Lockhart, Kellys, Jonesville, West Springs, Buffalo, Sedalia, Carlisle, and twice at Union, S. C. (Feb. 18-Mar. 1, 1910.)	Nine illustrated lectures on road economies and construction under auspices of Good Roads Association of Union County.	67.97	Do.

Do.....	do.....	Vienna, Va. (Mar. 26, 1910).....	Lecture on road economics and bond issues before civic improvement association.	(1)	
Do.....	do.....	Wytheville, Marion, Abingdon, Gate City, Big Stone Gap, Jonesville, Pennington Gap, Wise, Lebanon, Tazewell, and Pearisburg, Va. (May 2-15, 1910.)	Eleven illustrated lectures on road economics, administration, construction and maintenance, before county road men.	75.85	Do.
Do.....	do.....	Harrisburg, Pa. (June 1, 1910).....	Illustrated lecture on "Some highway engineering problems" before Engineers Society of Pennsylvania.	15.03	Do.
Do.....	do.....	Ripley, Tenn.; Cumberland Gap, Tenn. (June 7-12, 1910.)	Lecture at Ripley on road economics, construction, and maintenance. Inspection of macadam road for local road officials at Cumberland Gap. Lectures at Ripley at request of West Tennessee Good Roads Association.	87.47	Do.
Carroll, Louis W.....	Messenger.	Hyattsville, Md. (July 30, 1909).....	To aid in operating stereopticon at illustrated lecture on road improvement, and to assist in inspection of roads, at request of Hyattsville Citizens Association.	.85	General expenses, Office of Public Roads, 1910. (Road material.)
Cooley, Geo. L.....	Superintendent of road construction.	Mansfield, Monroe, Shreveport, Baton Rouge, Natchitoches, New Orleans, and Alexandria, La. (July 1-Dec. 23, 1909.)	In charge of cooperative work with State authorities and the building of object-lesson roads at Mansfield, Monroe, Shreveport, Baton Rouge, and Alexandria. Special inspection and advice at Shreveport, Natchitoches, and New Orleans.	290.94	General expenses, Office of Public Roads, 1910. Investigating road building and maintenance.
Do.....	do.....	Kalamazoo, Mich.; New Orleans, Baton Rouge, Mansfield, Monroe, Colfax, Grand Cane, and Natchitoches, La. (Jan. 10-June 30, 1910.)	Special inspection and advice at Kalamazoo and Natchitoches. Continuing cooperative work with State authorities and object-lesson roads at New Orleans, Baton Rouge, Mansfield, Monroe, and Grand Cane. Investigating road materials at Colfax.	101.66	Do.
Crecelius, W. R.....	Civil engineer student.	Mexia and Paris, Tex; Mansfield and Monroe, La.; Atlanta, Dekalb County, Ga. (July 12, 1909-Jan. 31, 1910.)	Assisting in construction of macadam object-lesson road at Mexia; sand-clay at Paris; earth and sand-clay at Mansfield; gravel and earth at Monroe; tar macadam road in Dekalb County, Ga. near Atlanta.	205.71	Do.
Do.....	do.....	Roslyn, Va. (Mar. 30-June 21, 1910).....	Assisting in construction of macadam object-lesson road.	(1)	
Cushman, A. S.....	Assistant director.	Pittsburg, Pa. and Chicago, Ill. (Nov. 28-Dec. 4, 1909.)	Inspecting iron and steel mills regarding rust resistant qualities of wire fencing.	70.00	General expenses, Office of Public Roads, 1910. (Road material.)
Do.....	do.....	New York City. (Mar. 30-Apr. 2, 1910.)	Two illustrated lectures on "Dustless roads and problems in road construction," at College of City of New York.	27.50	Do.
Do.....	do.....	Atlantic City, N. J. (Apr. 14-18, 1910.)	Inspecting steel-test plates in regard to corrosion, in cooperation with American Society for Testing Materials.	31.70	Do.
Do.....	do.....	Annapolis, Md. (Apr. 20, 1910).....	Lecture on "Corrosion and preservation of iron and steel" at United States Naval Academy.	(2)	

<sup>1</sup> No expense except car tickets; kept in stock at office.

<sup>2</sup> No expense; guest of persons requesting lecture.



Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.

## OFFICE OF PUBLIC ROADS—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Dodge, J. H. ....	Superintendent of road construction.	Stuart and Fremont, Nebr.; Charleston, Mo.; Brandon, Jackson, Gulfport, and Canton, Miss.; Prattville, Ala.; Brandon, Miss.; Fort Scott, Kans.; Bay Springs, Sylvania, Hattiesburg, Yazoo City, Clarksdale, Iuka, Jackson, and Tupelo, Miss.; Tallulah, Monroe, Mansfield, Alexandria, Lafayette, and New Orleans, La.; Mobile, Montgomery and Troy, Ala.; Atlanta, Ga. (July 1-Dec. 31, 1909.)	In charge of the construction of sand-clay object-lesson roads at Stuart, Charleston, and Brandon. Special inspection and advice at Fremont, Jackson, and Canton. Investigating road materials at Brandon, Bay Springs, Sylvania, Hattiesburg, Yazoo City, Clarksdale, Iuka, Jackson, and Tupelo. Lecture at Gulfport on "The wagon and the road." Lecture at Brandon on "How to improve the roads of Mississippi." Lecture at Prattville, Tupelo; at Fort Scott on "County and local roads," "Rural mail carriers' interest in good roads," "Our public highways," "Fort Scott roads," and "Macadam road construction." Trip through 11 towns (continuing tour begun by James Wilmot in company with F. H. Brown), including all important roads in their respective counties, for purpose of securing photographs and data concerning road construction and maintenance, to be used in reporting experimental work of Office and for illustrating Office publications.	\$437. 37	General expenses, Office of Public Roads, 1910. (Investigating road building and maintenance.)
Do. ....	do. ....	Salt Lake City and County, Utah; Hutchinson, Kans.; Hannibal, Mo. (Jan. 23-Feb. 5, 1910.)	Attendance upon State good roads convention and lecture on "Twentieth century roads" at Salt Lake City. Investigation of road materials in county. Lecture at Hutchinson before the commercial club on "Practical road building." Lecture at Hannibal before Northeast Missouri Industrial Association.	165. 51	Do.
Do. ....	do. ....	North Bend, Scribner, Dodge, Snyder, Hooper, Wehling, and Fremont, Nebr. (Apr. 6-June 30, 1910.)	Lectures at North Bend, Scribner, Dodge, Snyder, Hooper, and Wehling. Supervising construction of sand-clay object-lesson road at Fremont. Lectures at request of Fremont Commercial Club.	52. 38	Do.
Eberly, Virgil A. ....	Civil engineer student....	Decatur, Ga.; Baton Rouge, La. (Apr. 9-May 26, 1910.)	Assisting in building tar macadam road in Decatur, Ga. Assisting in construction of oil-earth road at Baton Rouge.	74. 10	Do.
Eldridge, J. H. ....	Assistant in road material laboratory.	Colorado City, Mexia, Paris, Tex.; Benton, Mo.; Hickman, Ky.; Decatur, Ga.; Walterboro, S. C. (July 1, 1909-June 30, 1910.)	Supervising construction of object-lesson roads at Colorado City, Mexia, Paris, Benton, Decatur. Special inspection and advice at Hickman and Walterboro.	177. 22	General expenses, Office of Public Roads, 1910. (Road material.)

Eldridge, M. O.....	Senior assistant in road management.	Seattle, Wash.; Rainier and St. Helens, Oreg. (July 1-Aug. 31, 1909.)	Forty illustrated lectures on road construction and economics at Seattle. Two illustrated lectures on road economics and construction at Rainier and St. Helens, at request of City Improvement Club.	114.80	General expenses, Office of Public Roads, 1910. (Road management.)
Do.....	do.....	Mountain City, Elizabethton, Blountville, Erwin, Jonesboro, Greeneville, Speedville, Rogersville, Newport, Rutledge, Tazewell, Cumberland Gap, Sevierville, Dandridge, Jefferson City, Morristown, Knoxville, Maryville, Loudon, Lenoir City, Maynardsville, Luttrell, Clinton, Jacksboro, LaFollette, Kingston, Harriman, Huntsville, Oneida, Elizabethton, Stony Creek, Milligan, Asheville, Tenn.; Fort Wayne, Columbia City, Auburn, Lagrange, Albion, Angola, Ind. (Sept. 4-Oct. 18, 1909.)	50 lectures, 16 of them illustrated, on earth and stone roads, macadam roads, benefits of road improvement, bond issues, repair of roads, gravel roads, split-log drag, and road taxation, before county road officials and road improvement associations.	258.05	Do.
Do.....	do.....	Atlanta, Ga.; New Bern, N. C. (Nov. 9-13, 1909.)	Lecture on road management, Atlanta; State drainage convention at New Bern, advising with road authorities. Lecture in Atlanta at request of Good Roads Club of Georgia and Georgia Good Roads Automobile Association.	56.40	Do.
Do.....	do.....	Chicago, Ill.; Omaha, Nebr. (Nov. 17-Dec. 22, 1909.)	4 illustrated lectures, Chicago, on road construction and benefits therefrom. 14 illustrated lectures on road construction and benefits therefrom at Omaha; also in charge of Office exhibit at National Corn Exposition at Omaha. Lectures in Chicago before Land and Irrigation Exposition.	87.90	Do.
Do.....	do.....	Lincoln, Kearney, and Grand Island, Nebr.; Cairo, and Springfield, Ill.; Evansville and Cincinnati, Ind. (Jan. 4-Feb. 5, 1910.)	3 lectures, illustrated, at Lincoln, on history of transportation, road construction, and economics; also inspection of roads and recommending improvements to road authorities. 1 lecture at Kearney on road construction and economics; also inspection of road and recommendations for improvements. Inspection and recommendations for improvements at Grand Island. 1 illustrated lecture at Cairo on road construction. Inspected roads at Springfield with State highway officials. Inspected roads at Evansville and advised with authorities. 2 lectures at Cincinnati on road economics and construction before farmers' institute. Collecting data for office bulletin on road economics and administration.	194.90	Do.
Do.....	do.....	Fredericksburg, Richmond, Petersburg, and Dinwiddie, Va. (Mar. 2-10, 1910.)		66.85	Do.

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## OFFICE OF PUBLIC ROADS—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Eldridge, M. O.....	Senior assistant in road management.	St. Paul, Minn. (Mar. 15-22, 1910).....	3 lectures, illustrated, on road economics and construction, before Minnesota Conservation and Development Congress, Road Makers' Association, and State Engineers' and Surveyors' Society.	\$92.60	General expenses, Office of Public Roads, 1910. (Road management.)
Do.....	do.....	Trenton, Tenn.; Bean Station, Tenn.; Lexington, N. C. (Apr. 2-11, 1910.)	1 lecture at Trenton on improved roads and sand-clay construction. Collecting data at Bean Station and Lexington for office bulletin on road economics and administration.	87.62	Do.
Do.....	do.....	Ontario, Baker City Enterprise, Ia.; Grande, Hapner, Pendleton, Condon, Moro, The Dalles, Hood River, Dallas, Portland, McMinnville, Forest Grove, Oregon City, Salem, Albany, Lebanon, Corvallis, Portland, Eugene, Roseburg, Grants Pass, Jacksonville, Ashland, Medford, Oreg.; Montague, Cal. (May 11-June 12, 1910.)	28 illustrated lectures on road economics in Oregon towns. Inspected roads in vicinity of most of the towns, and advised with local road authorities regarding them. Took photographs of typical roads for office use. Inspection of object-lesson stone road at Montague, Cal., and advice on same. This tour made at request of Oregon Thrashers' Association.	448.46	Do.
Fleming, Harry C.....	Civil engineer student.....	Winchester, Tenn.; Atlanta, Ga. (Oct. 7, 1909-Jan. 14, 1910.)	Assisting in construction of macadam object-lesson road at Winchester; and far-macadam road at Atlanta (DeKalb County).	123.89	General expenses, Office of Public Roads, 1910. (Road material.)
Do.....	do.....	Kalamazoo, Mich. (Apr. 10-June 30, 1910.)	Assisting in building gravel object-lesson road.	30.45	General expenses, Office of Public Roads, 1910. Investigating road building and maintenance.)
Haire, D. G.....	Road expert.....	Winchester, Tullahoma, Cookeville, and Morristown, Tenn.; (July 1-Dec. 18, 1909).	Supervising the construction of object-lesson road at Winchester. Special inspection and advice at Tullahoma, Cookeville and Morristown.	84.25	Do.
Do.....	do.....	Rossllyn, Va. (Apr. 18-May 28, 1910).	Supervising construction of object-lesson road.	25.11	Do.
Do.....	do.....	Rossllyn, Va.; Milford, Del.; Rossllyn, Va. (June 1-30, 1910).	Supervising construction of object-lesson road at Rossllyn. Special inspection and advice at Milford.	31.63	Do.
Harrison, Chas. T.....	do.....	New Orleans, E. Baton Rouge Parish, Orleans Parish, Winn Parish, Alexandria, St. Bernard Parish, La.; Salem, Ash Flat, Black Rock, Pochontas, Tuckerman, Calico Rock, Mountain View, Sulphur Rock,	Supervising construction of object-lesson roads at New Orleans, East Baton Rouge Parish, Winn Parish, Monroe, Batesville, and Arlington. Special inspection and advice at East Baton Rouge, Orleans Parish, Alexandria, St. Bernard Parish, and Stamford.	345.98	Do.



Heidel, B. F.	Highway engineer.	Judsonia, Heber, DeValls Bluff, Brinkley, Ark.; New Orleans, Monroe, La.; Fort Smith, Van Buren, Paris, Booneville, Greenwood, Waldron, Mena, Lockesburg, De Queen, Oden, Foreman, Ashdown, Texarkana, Center Point, Nashville, Murfreesboro, Delight, Womble, Antoinette, Mount Ida, Batesville, Ark., Arlington and Stamford, Tex. (July 1, 1909-June 30, 1910).	Lecture tour to Salem, Ash Flat, Black Rock, Pocahontas, Tuckerman, Calico Rock, Mountain View, Sulphur Rock, Judsonia, Heber, De Valls Bluff, and Brinkley. Dust preventives investigation at Fort Smith. Lecture at Stamford and tour to Van Buren, Paris, Booneville, Greenwood, Waldron, Mena, Lockesburg, De Queen, Oden, Ashdown, Texarkana, Center Point, Nashville, Murfreesboro, Delight, Womble, Antoinette and Mount Ida. Subjects "Road improvement with especial reference to local conditions." Survey and plans for road in National Forest at Medford, Crater Lake and Klamath Falls. Special inspection and advice, lectures before representative road improvement associations, Seattle. Special inspection and advice, Renton. Investigating road materials at Tacoma. Survey at Caldwell and special inspection and advice at Boise. Lecture at The Dalles on "Why our present method of road making is unsuccessful—Remedy suggested." Lecture on "Practical working of Idaho road law as viewed from standpoint of other States" at Meridian. Model systems at Lompoc and Santa Maria, Cal.	630.05	Do.
Hoyt, Chas. H.	Superintendent of road construction.	Richmond, Ky.; Independence and Latonia, Kans.; Cordele, Griffin, and Atlanta, Ga.; Newberry, S. C.; Fayetteville, and Nashville, N. C. (July 1-10, 1909.)	Special inspection and advice at Richmond, Griffin, Newberry, Fayetteville, and Nashville. Lecture at Latonia, Independence, Cordele; and Atlanta on "Improved roads and how to secure them," before Southern Commercial Secretaries' Association. Lecture on same subject as above before farmers' institute.	111.03	General expenses, Office of Public Roads, 1910. (Road material.)
Do.	do.	Whitakers, N. C. (July 25-26, 1909).	Lecture on same subject as above before farmers' institute.	17.75	Do.
Do.	do.	Hyattsville, Md. (July 30, 1909).	Lecture as above before Hyattsville Citizens' Association.	(1)	Do.
Do.	do.	Ithaca, N. Y. (Aug. 6-8, 1909).	Inspection of bituminous macadam road being constructed under supervision of office and giving advice in regard to same.	32.00	Do.
Do.	do.	Alexandria, Va. (Aug. 10-12, 1909).	Inspection of route for location of highway between Washington and Alexandria.	(1)	Do.
Do.	do.	Balls Hill, Md. (Aug. 14, 1909).	Special inspection and advice.	.90	Do.
Do.	do.	Ithaca, N. Y. (Aug. 19-26, 1909).	Inspection of bituminous macadam road being constructed under supervision of office and giving advice in regard to same.	54.31	Do.
Do.	do.	Mountain Lake, Md.; Ithaca, N. Y.; Columbus, Ohio; Kendallville, Ind.; St. Louis, Mo.; Springfield, Ill.; St. Paul, Minn.; Burlington, Iowa. (Aug. 28-Sept. 17, 1909.)	Lectures on "How to secure improved highways" at Mountain Lake, Columbus, St. Paul, Burlington. Special inspection and advice at Kendallville, St. Louis, and Springfield. Inspection of bituminous macadam road constructed under supervision of office at Ithaca.	149.82	Do.

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## OFFICE OF PUBLIC ROADS—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Hoyt, Chas. H.	Superintendent of road construction.	Nashville, Tenn.; Richmond, Ky. (Sept. 19-24, 1909.)	Lecture at Nashville and advice in regard to object-lesson road at Richmond, Ky. Lecture Nashville, request State good roads association.	\$74.67	General expenses, Office of Public Roads, 1910. (Road material.)
Do.	do.	Spotsylvania C. H., Va. (Oct. 14, 1909.)	Lecture on "How to secure improved highways," before good roads association.	4.55	Do.
Do.	do.	Ithaca, N. Y. (Oct. 17-18, 1909.)	Inspection of bituminous macadam road.	25.43	Do.
Do.	do.	New York to Atlanta, Ga. (Oct. 24-Nov. 5, 1909.)	Automobile tour of inspection to select best roads for suitable through route between New York and Atlanta.	18.15	Do.
Do.	do.	Ithaca, N. Y. (Nov. 9-10, 1909.)	Illustrated lecture on "How to secure improved highways" before college of civil engineering, Cornell University.	23.35	Do.
Do.	do.	Parkersburg, W. Va. (Dec. 13-15, 1909.)	Lecture on "Improved highways for West Virginia," at convention of county highway engineers.	31.35	Do.
Do.	do.	Alexandria, Va. (Feb. 3-7, 1910.)	Advice in regard to improvement of roads for through highway between Washington and Alexandria.	( <sup>1</sup> )	
Do.	do.	Edwardsville, Ill. (Feb. 20-25, 1910.)	Lecture on "Highway work in other States" at State farmers' institute.	64.50	General expenses, Office of Public Roads, 1910. (Road management.)
Do.	do.	Warrenton, Va. (Mar. 5, 1910.)	Lecture on "Benefits of highway improvement."	4.85	Do.
Do.	do.	Chevy Chase, Md. (Mar. 16, 1910.)	Special inspection and advice.	( <sup>1</sup> )	
Do.	do.	Chicago, Ill.; Ames and Des Moines, Iowa; Springfield and Peoria, Ill.; Columbus, Ohio. (Mar. 24-29, 1910.)	Inspecting road built under supervision of office, Chicago. Special inspection and advice at Ames, Des Moines, Peoria, and Springfield. Inspecting road treated with experimental dust preventives at Columbus.	87.50	Do.
Do.	do.	New York, N. Y. (May 15-16, 1910.)	Conference with authorities in bridge construction to secure data helpful in inaugurating new project of highway bridge construction.	20.30	General expenses, Office of Public Roads, 1910. (Investigating road building and maintenance.)
Do.	do.	State College and York, Pa.; Baltimore, Md. (May 26-28, 1910.)	Special inspection and advice in regard to bituminous macadam construction at State college. Inspection of latest methods of bridge construction to obtain data useful in inaugurating bridge work division of office at York. Cooperation with State highway engineer at Baltimore.	46.75	Do.

Do.....	do.....	Hampson, Norfolk, Williamsburg, Jamestown, Roanoke, Emporia, and Beaver Dam, Va. (May 28-June 4, 1910.)	Special inspection and advice at Hampton. Inspection of condition of object-lesson road built by office at Norfolk. Williamsburg, Jamestown, Emporia, and Beaver Dam, giving advice in regard to proper maintenance of same. Bridge inspection at Norfolk. Assisting in supervision of construction of object-lesson road.	57.99	Do.
Do.....	do.....	Roslyn, Va. (June 19, 1910.)	To inspect condition of experimental road built last year by office and to obtain data in order to make estimates for continuance of work.	( <sup>1</sup> ) 27.50	Do.
Do.....	do.....	Ithaca, N. Y. (June 26-27, 1910.)	Dust-preventive Investigations	13.80	General expenses, Office of Public Roads, 1910. (Road material.)
Hubbard, Prevost.....	Assistant chemist.....	Atlantic City, N. J. (July 1-3, 1909).....	In charge of experiments with dust preventives in the construction of improved roads.	63.73	Do.
Do.....	do.....	Ithaca, N. Y. (Aug. 24-Sept. 8, 1909).....	Dust-preventive Investigations at Decatur and Ithaca. Inspection of work done by office at Birmingham. Lecture on bituminous road material at Cleveland. Good Roads Convention.	137.10	Do.
Do.....	do.....	Decatur, Ga.; Birmingham, Ala.; Cleveland, Ohio; and Ithaca, N. Y. (Sept. 11-27, 1909.)	Dust-preventive Investigations at Atlanta. Special inspection and advice at Greenville and Brandon.	156.82	Do.
Do.....	do.....	Atlanta, Ga. (twice); Greenville, Miss. (twice); Brandon, Miss. (Oct. 16-31, 1909.)	Special inspection and advice in regard to bituminous road construction.	128.55	Do.
Do.....	do.....	Atlanta, Ga. (twice); New Orleans, Baton Rouge, and Monroe, La. (Mar. 19-28, 1910.)	Advice in regard to construction of bridge with oiled-concrete floor.	27.90	Do.
Do.....	do.....	Ridgewood, N. J. (Apr. 22-23, 1910).....	Same as above at Ridgewood. Special inspection and advice at Rockland, Lewiston, and Augusta. Inspection of work done in previous years by office at Boston.	81.00	Do.
Do.....	do.....	Ridgewood, N. J.; Rockland, Lewiston, and Augusta, Me.; Boston, Mass. (May 10-18, 1910.)	Special inspection and advice.....	( <sup>1</sup> ) 24.27	General expenses, Office of Public Roads, 1910. (Road management.)
Hulbert, Archer B.....	Expert.....	Alexandria, Va. (June 8, 1910).....	Lectures on "The good roads movement" and "Economics of road legislation" at Mountain Lake Park, Md. (Aug. 26-30, 1910.)	20.60	Do.
Do.....	do.....	Aurora, Mayville, and West Union, W. Va. (Sept. 15-18, 1909.)	Three lectures, as above, before county commissioners.	24.63	Do.
James, E. W.....	Highway engineer.....	Marion, S. C. (June 3-30, 1910).....	In charge of the construction of an object lesson sand-clay road.	10.78	General expenses, Office of Public Roads, 1910. (Reports of investigations.)
Jones, B. E.....	Junior highway engineer.....	Mansfield, Monroe, Natchitoches, La. (July 1, 1909-Feb. 13, 1910.)	In charge of the construction of earth object-lesson roads.	180.54	General expenses, Office of Public Roads, 1910. (Investigating road building and maintenance.)
Do.....	do.....	Brunswick, Waycross, and Statesboro, Ga.; Dothan, Ala., and Hartsville, S. C. (Mar. 26-June 4, 1910.)	Superintending the construction of object-lesson road at Brunswick, Dothan, and Hartsville. Special inspection and advice at Waycross and Statesboro.		

<sup>1</sup> No expense except car tickets; kept in stock at office.



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## OFFICE OF PUBLIC ROADS—(Continued.)

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Jones, B. E. ....	Junior highway engineer.	Stump Neck, Md. ....	In charge of the construction of a sand-clay object-lesson road.	\$19.50	General expenses, Office of Public Roads, 1910. (Investigating road building and maintenance.)
Keller, W. S. ....	Superintendent of road construction.	Lake, Miss.; Nashville, Tenn.; Atlanta, Ga.; Brownsville and Knoxville, Tenn.; Starkville, Miss. (Aug. 2, 1909–May 10, 1910.)	Lectures on "Good roads and how to secure them" and "Sand-clay roads" at Lake, Atlanta, Brownsville, and Knoxville. Lecture and advice in regard to the most practical method of road construction at Starkville. Special inspection and advice at Nashville. Assisting in the construction of an earth object-lesson road.	134.44	General expenses, Office of Public Roads, 1910. (Road management.)
Lewis, Richard A. ....	Civil engineer student.	Monroe and Baton Rouge, La. (July 6–Dec. 31, 1909.)	Investigations in regard to the adaptability of slag for use as a road material.	143.46	General expenses, Office of Public Roads, 1910. (Road material.)
Lord, E. C. E. ....	Petrographer.	Pittsburg, Pa., and New York City. (May 3–10, 1910.)	Special inspection and advice at Scottsbluff and Grayson. In charge of the construction of object-lesson roads at Lawton, Phoenix, Sweetwater, and Carlsbad. Model county systems at Paris.	58.75	General expenses, Office of Public Roads, 1910. (Investigating road building and maintenance.)
McClure, Fay. ....	Superintendent of road construction.	Paris, Tex.; Phoenix, Ariz.; Sweetwater and Grayson, Tex.; Carlsbad, N. Mex. (July 1, 1909–June 30, 1910.)	Investigating road materials at Brandon, Detroit, Kalamazoo County, and Grand Rapids. Special inspection and advice at Jackson and Kalamazoo County. In charge of the construction of object-lesson roads at New Bern, Monroe, and city of Kalamazoo.	235.08	General expenses, Office of Public Roads, 1910. (Investigating road building and maintenance.)
Marshall, Geo. D. ....	do.	Brandon and Jackson, Miss.; New Bern, N. C.; Monroe, Kalamazoo, Kalamazoo County, Detroit, and Grand Rapids, Mich. (Oct. 1, 1909–June 30, 1910.)	In charge of constructing object-lesson roads at Fayetteville. Constructing experimental slag road at Youngstown and experimental sections of various methods of construction at Ithaca.	410.29	General expenses, Office of Public Roads, 1910. (Road material.)
Martin, Randolph. ....	Junior highway engineer.	Fayetteville, N. C.; Youngstown, Ohio, and Ithaca, N. Y. (July 1–Dec. 1, 1909.)	In charge of construction of object-lesson roads at Baton Rouge, oil-concrete experimental road at Port Richmond, and constructing oil-concrete floor to bridge at Ridgewood.	174.15	General expenses, Office of Public Roads, 1910. (Road material.)
Do. ....	do.	Baton Rouge, La.; Port Richmond, N. Y.; Ridgewood, N. J. (Jan. 8–June 3, 1910.)	In charge of constructing object-lesson road....	123.38	General expenses, Office of Public Roads, 1910. (Reports of investigations.)
Do. ....	do.	Boise, Idaho. (June 23–30, 1910.) ....	In charge of constructing sand-clay object-lesson roads at all three places. Lecture and attendance at American Society for Testing Materials.	143.10	General expenses, Office of Public Roads, 1910. (Road management.)
Moorefield, Chas. H. ....	Highway engineer.	Hartsville, Darlington, and Marion, S. C. (June 16–30, 1910.)		48.95	Do.
Page, L. W. ....	Director.	Atlantic City, N. J. (July 1–2, 1909.) ..		17.30	Do.

Do.....	do.....	New England States. (July 12-Aug. 24, 1909.)	Investigation of tar experiments.....	\$44.75	Do.
Do.....	do.....	Lowell, Mass. (Sept. 3-8, 1909.)	Inspection and investigation of systems of road management.	66.85	Do.
Do.....	do.....	Cleveland, Ohio, and Philadelphia, Pa. (Sept. 18-24, 1909.)	Lecture on "The road situation in the United States as compared with foreign countries," before Cleveland Good Roads Convention. Special inspection and advice at Philadelphia.	62.46	Do.
Do.....	do.....	Philadelphia, Pa. (Oct. 8-10, 1909.)	Dust-preventives investigation.....	19.95	Do.
Do.....	do.....	Columbus, Ohio, and Chicago, Ill. (Oct. 25-Nov. 6, 1909.)	Lecture at Columbus on "The National Government as a factor in road improvement" before the Ohio Good Roads Federation and the American Road Makers' Association. Lecture at Chicago on "Macadam roads," before the Western Society of Engineers.	122.30	Do.
Do.....	do.....	Baltimore, Md. (Dec. 4, 1909.)	Dust-preventives investigation.....	13.25	Do.
Do.....	do.....	New York, N. Y., and Newark, N. J. (Dec. 14-17, 1909.)	Lecture in New York on "Possibilities of use of cement in roadway construction" before American Portland Cement Manufacturers.	41.05	Do.
Do.....	do.....	Lafayette, Ind. (Jan. 9-12, 1909.)	Dust-preventive investigations at Newark. Lecture at Purdue University on "Road improvement in Indiana."	52.35	Do.
Do.....	do.....	St. Augustine, Fla. (Jan. 25, 1910.)	Lecture before First National Convention of International League for Highway Improvement on "The road situation in the United States as compared with foreign countries."	69.10	Do.
Do.....	do.....	Philadelphia, Pa. (Jan. 28, 1910.)	Lecture before Franklin Institute on "Road administration and maintenance."	12.10	Do.
Do.....	do.....	Boston, Mass., and New Jersey suburbs of New York City. (Mar. 29-Apr. 2, 1910.)	Lecture in Boston on "Methods of preventing dust on roads." Inspection of roads and advice in New Jersey.	62.65	Do.
Do.....	do.....	Winchester, Va. (Apr. 6, 1910.)	Special inspection and advice regarding road to be improved.	10.05	Do.
Do.....	do.....	Charlottesville, Va. (Apr. 11-13, 1910.)	Lecture on "Construction and maintenance of broken-stone roads."	11.00	Do.
Do.....	do.....	U. S. Rifle Range, Stump Neck, Md. (May 6, 1910.)	Special inspection and advice.....	4.85	Do.
Do.....	do.....	Ridgewood, N. J. (May 24-26, 1910.)	do.....	40.20	Do.
Do.....	do.....	Roslyn, Va. (June 21-30, 1910.)	Assisting in the construction of object-lesson road.	(1)	
Patterson, Harry W.....	Civil engineer student.....	Milford and Nazareth, Pa.; Westbury, N. Y.; Boston and Newton, Mass. (July 1-Aug. 1, 1909.)	Special advice and inspection at Milford, Nazareth, and Westbury. Inspecting experiments by office at Boston and New York.	105.16	General expenses, Office of Public Roads, 1910. (Investigating road building and maintenance.)
Pearce, Vernon M.....	Chief engineer.....	Ithaca, N. Y., and New York City. (Aug. 30-Sept. 7, 1909.)	Inspecting the experimental roads being constructed by office engineer at Ithaca. Conference with road men in New York regarding administrative affairs in New York.	105.57	Do.

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## OFFICE OF PUBLIC ROADS—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Peirce, Vernon M. ....	Chief engineer. ....	Chicago, Ill.; Kansas City, Mo.; Colorado Springs and Denver, Colo.; Provo and Salt Lake City, Utah; Seattle, Wash.; San Francisco, Sacramento, Stockton, Santa Barbara, Los Angeles, San Diego, and Riverside, Cal.; Phoenix, Ariz.; El Paso and Houston, Tex.; New Orleans, Alexandria, Mansfield, Monroe, and Baton Rouge, La.; Jackson and Brandon, Miss.; Winchester, Tenn.; and Atlanta, Ga. (Oct. 2–Nov. 20, 1909.)	A tour to inspect all of the work being done by office engineers at places named and to confer with the engineers in charge of such work. Also conferences with State authorities in regard to cooperative work being done and planned in their respective States.	\$575. 21	General expenses, Office of Public Roads, 1910. (Investigating road building and maintenance.)
Do. ....	do. ....	Manhattan, Kans. (Dec. 29–31, 1909.)	Lecture before the State farmers' institute on "Road improvement."	101. 00	Do.
Do. ....	do. ....	Fremont, Nebr.; Columbus, Ohio; Cheyenne, Wyo.; Manhattan and Independence, Kans.; St. Louis, Mo.; Youngstown, Ohio; Ithaca, and Plattsburg, N. Y.; New York City. (Apr. 26–May 8, 1910.)	To advise with local authorities in regard to object-lesson roads under construction at Fremont. Lecture on "Benefits of road improvement" at Columbus. Special inspection and advice at Cheyenne, Independence, St. Louis, Plattsburg, and New York City. To confer with expert in regard to tests to determine the tractive resistance of various width tires on roads at Manhattan. Slag investigation to determine its suitability as a road building material at Youngstown, and dust prevents investigation at Ithaca.	198. 35	Do.
Do. ....	do. ....	Dayton, Columbus, Youngstown, Cleveland, Sandusky, and Toledo, Ohio; Detroit, Grand Rapids, and Kalamazoo, Mich.; Chicago and Waukegan, Ill.; Racine and Milwaukee, Wis. (June 12–30, 1910.)	A tour to inspect brick roads and to gather data for a bulletin on the subject.	159. 14	Do.
Pennybacker, J. E., jr. ....	Chief of road management.	Culpeper, Cuckoo, and Orange, Va. (July 6–10, 1909.)	Trip with scout cars to select a through route for a highway from Washington toward Richmond, Va. Four lectures on "Benefits of road improvement," at stops on route.	3. 05	General expenses, Office of Public Roads, 1910. (Road management.)
Do. ....	do. ....	Winchester, Harrisonburg, Staunton, Charlottesville, and Richmond, Va. (July 15–18, 1909.)	Second trip of scout cars. Lectures at Staunton on "Benefits of road improvement."	8. 55	Do.
Do. ....	do. ....	Fredericksburg, Va. (July 19, 1909.)	Lecture on "Economics of road improvement" at Fredericksburg Good Roads Convention.	4. 55	Do.



Do.....do.....	Boston and North Tisbury, Mass., (July 25-Aug. 9, 1909.)	Conference with road men in regard to admin- istrative affairs.	48.85	Do.
Do.....do.....	Blackstone, Kenbridge, Chase City, Clarksville, and Boydton, Va. (Aug. 18-24, 1909.)	Lectures on "Benefits of road improvement" before representative road associations.	42.15	Do.
Do.....do.....	Charlottesville, Va. (Aug. 27-30, 1909.)	Lecture on "Economics of road improvement" under auspices of county road authorities.	26.40	Do.
Do.....do.....	Louisla, Va. (Sept. 12-13, 1909).....	Lecture on "The need of good roads and how to get them" before local road organization.	19.60	Do.
Do.....do.....	Pender, Va. (Sept. 16, 1909).....	Lecture on "Benefits of road improvement," before county road authorities.	( <sup>1</sup> )	
Do.....do.....	Trenton, N. J., and New York City. (Nov. 8-11, 1909.)	Collecting data on road administration and economics.	39.32	Do.
Do.....do.....	Vienna, Va. (Dec. 18, 1909).....	Lecture before Civic Improvement Associa- tion.	.90	Do.
Do.....do.....	Fredericksburg and Richmond, Va. (Mar. 1-7, 1910.)	Collecting data on road administration and economics.	33.55	Do.
Do.....do.....	Montgomery, Ala. (Mar. 13-17, 1910)...	Lecture before the State Good Roads Asso- ciation and Montgomery Commercial Club on "Road improvement in Europe and America."	82.25	Do.
Do.....do.....	Milford, Del. (May 13-15, 1910).....	Lecture, afternoon and evening, on "Road im- provement." Inspection of roads in vicinity. Request for this visit was made by the State Good Roads Association.	19.29	Do.
Do.....do.....	Ilda, Va. (May 26, 1910).....	Lecture on "Benefits of road improvement" at Fairfax Good Roads Association.	2.45	Do.
Do.....do.....	Savannah, Ga.; Wrightsville Beach, and Southport, N. C. (June 6-14, 1910.)	Three lectures on "General phases of road im- provement." Inspection of object-lesson road built by office engineer at Southport. Lecture at Savannah at request of Georgia Federation of Road Authorities. Lectures before representative road organizations in North Carolina.	72.20	Do.
Pervlen, Richard.....	Stuart, and Fremont, Nebr.; Charles- ton, Iowa; Brandon, Miss.; and At- lanta, Ga. (July 1-Dec. 31, 1909.)	Assisting expert in charge of construction of sand-clay object-lesson road at Stuart, Charleston, and Brandon, and tar macadam road at Atlanta. Special inspection and ad- vice at Fremont.	207.61	General expenses, Office of Public Roads, 1910. (Investigating road building and mainte- nance.)
Do.....do.....	Blakely and Colquitt, Ga., and Grand Cane, La. (Jan. 18-May 30, 1910.)	In charge of the construction of sand-clay object-lesson roads at Blakely and Colquitt. In charge of convict camp and part of road work being done in cooperation with State authorities at Grand Cane.	159.16	General expenses, Office of Public Roads, 1910. (Reports of investiga- tions.)
Reeve, Chas. S.....	Ridgewood, N. J. (May 10-13, 1910)...	Conducting experiments in oil concrete for bridge flooring.	30.25	General expenses, Office of Public Roads, 1910. (Road material.)
Robey, E. R.....	Warrenton, Va. (Mar. 5, 1910).....	Operating stereopticon for lecturer from office...	2.25	General expenses, Office of Public Roads, 1910. (Road management.)

<sup>1</sup> No expense except car tickets; kept in stock at office.

*Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.*

## OFFICE OF PUBLIC ROADS—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Robey, E. R.	Clerk	Lewes, Del. (Mar. 16-18, 1910).....	Operating stereopticon for State Grange and Farmers' Institute.	\$12.93	General expenses, Office of Public Roads, 1910. (Road management.)
Do.	do.	Vienna, Va. (Mar. 26, 1910).....	Operating stereopticon before Civic Improvement Association.	(1)	Do.
Do.	do.	Milford, Del. (May 13-15, 1910).....	Operating stereopticon at meeting of State Good Roads Association.	12.95	Do.
Sherwood, Carl C.	Civil engineer student and junior highway engineer.	El Paso, Tex.; Glendale and Phoenix, Ariz.; Carlsbad, N. Mex. (July 1, 1909-June 30, 1910.)	Doing engineering work and assisting superintendent in charge of constructing object-lesson roads at El Paso, Glendale, Phoenix, and Carlsbad, and returning to inspect road at El Paso. After departure of superintendent in charge of oiled-macadam road at Phoenix.	272.01	General expenses, Office of Public Roads, 1910. (Investigating road building and maintenance.)
Speicher, Plus M.	Superintendent of road construction.	Chandler, Okla. (July 1-3, 1909).....	Special inspection and advice.....	45.65	General expenses, Office of Public Roads, 1910. (Road management.)
Do.	do.	Brownwood and El Paso, Tex.; Chandler, Okla. (July 9-Aug. 31, 1909).....	Special inspection and advice at Brownwood. In charge of construction of object-lesson road at El Paso. Survey of road at Chandler.	162.16	Do.
Spoon, W. L.	do.	State of Kansas. (July 6-27, 1909).....	Inspecting sand-clay and experimental roads built under supervision of office, collecting data and preparing bulletin on same.	157.48	General expenses, Office of Public Roads, 1910. (Reports of investigations.)
Thomas, Chas. R., Jr.	Scientific assistant.	Bryan, Ohio. (July 1-4, 1909).....	Special inspection and advice.....	28.45	General expenses, Office of Public Roads, 1910. (Investigating road building and maintenance.)
Do.	do.	Rich Square, N. C.; Whitakers, Nashville, Scotland Neck, Laurinburg, and Greenville, S. C.; Edenton, N. C., and Center, Tex. (July 13-June 30, 1910.)	Survey and advice as to best methods of road improvement at Rich Square. Three lectures on "Road improvement" at Whitakers, Nashville, and Scotland Neck. In charge of constructing object-lesson roads at Nashville, Laurinburg, Greenville, Edenton, and Center.	308.07	Do.
Toms, R. E.	Junior highway engineer	Newberry, S. C.; Star, Carthage, Mt. Gilead, Elise, Denton, Asheboro, Thomasville, Hoffman, Laurinburg, and Maxton, N. C.; Richmond, Va. (July 1-Nov. 28, 1909.)	Supervising construction of sand-clay object-lesson road at Newberry. Lecture tour to 10 towns in North Carolina on "Good roads and how to build them." Special inspection and advice at Richmond.	60.92	Do.



Do.....	do.....	Newbern, N. C. (Dec. 5-23, 1909).....	Supervising construction of sand-clay object-lesson road.	47. 35	Do
Do.....	do.....	Newbern, N. C.; Rock Hill, S. C.; and Savannah, Ga. (Jan. 11-Feb. 10, 1910.)	Continuing construction of sand-clay object-lesson road at Newbern; special inspection and advice and lecture at Rock Hill; supervising construction of sand-clay object-lesson road at Savannah.	\$9. 90	Do.
Voshell, Jas. T.....	Highway engineer.....	Grand Junction, Colo.; Provo and Salt Lake City, Utah; Hydro, Erick, Watonga, Norman, Ponca City, Newkirk, Uncas, Chilocco, and Riley, Okla.; Kansas City, Mo.; Independence, Kans.; Oklahoma City, Hadulka, McAlester, Chaska, Wapanucka, Tishomingo, Ravia, Ardmore, Sulphur, Ada, Mill Creek, Cement, Lawton, Cache, Cold Springs, Granite City, Okla.; Billings, Mont.; Fargo, N. Dak.; Yellowstone Park. (July 1, 1909-June 30, 1910.)	Special advice and inspection at Grand Junction; supervising construction of object-lesson road at Provo; investigating the quality and availability of road materials for the State of Oklahoma at Hydro, Erick, Watonga, Norman, Ponca City, Newkirk, Uncas, Chilocco, Riley, Oklahoma City, Hadulka, McAlester, Chaska, Wapanucka, Tishomingo, Ravia, Ardmore, Sulphur, Ada, Mill Creek, Cement, Lawton, Cache, Cold Springs, Granite City; conference with State road authority at Salt Lake City; lecture at Kansas City before Convention of County Highway Engineers of Missouri on "Road materials;" inspecting road formerly built by office at Independence; supervising construction of object-lesson road at Billings and also giving one lecture; lecture on road improvement at Fargo, N. Dak.; inspection of and giving advice as to the best method of improving the rural mail delivery routes in Yellowstone Park at request of Post-Office Department.	\$31. 02	General expenses, Office of Public Roads, 1910. (Investigating road building and maintenance.)
Ward, Walter J.....	Superintendent of road construction.....	Monroe and Natchitoches, La. (Feb. 27-June 27, 1910.)	Supervising construction of object-lesson roads.	144. 70	General expenses, Office of Public Roads, 1910. (Road management.)
Wells, H. C.....	do.....	Balls Hill, Va. (Oct. 25-29, 1909).....	Survey.....	1. 65	General expenses, Office of Public Roads, 1910. (Investigating road building and maintenance.)
Do.....	do.....	Rossllyn, Va. (Nov. 6-Dec. 11 and Dec. 15-22, 1909.)	Supervising construction of object-lesson road.	(1)	
Do.....	do.....	Newbern, N. C.; Blakely, Albany, and Americus, Ga.; Dothan, Ala.; Magnolia, West Point, and Tupelo, Miss.; Gunter'sville, Ala.; and Augusta, Ga. (Jan. 11-June 30, 1910.)	Supervising construction of sand-clay object-lesson roads at Newbern, Blakely, Albany, and Magnolia; special inspection and advice at Dothan, Americus, West Point, Tupelo, Gunter'sville, and Augusta.	\$0. 85	General expenses, Office of Public Roads, 1910. (Road management.)
Winifred, James.....	Junior highway engineer.....	Winchester, Tenn. (July 1-Oct. 24, 1909.)	Assisting office superintendent in construction of object-lesson road.	\$8. 46	General expenses, Office of Public Roads, 1910. (Reports of investigations.)
				27. 36	General expenses, Office of Public Roads, 1910. (Road material.)

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Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1910—Continued.

## OFFICE OF PUBLIC ROADS—Continued.

Name.	Title.	Destination.	Business or work.	Total expense.	Appropriation.
Wilmot, James.....	Junior highway engineer.	Brandy, Culpeper, Orange, Charlottesville, Rockfish Gap, Amherst, Monroe, Lynchburg, and Danville, Va.; Greensboro, Charlotte, and Asheville, N. C.; Dandridge, Knoxville, Clinton, Cleveland, Chattanooga, Missionary Ridge, and Chickamauga Park, Tenn.; Scottsboro, Huntsville, and Decatur, Ala.; Jackson and Memphis, Tenn.; Clarksdale, Greenville, and Vicksburg, Miss.; Tallulah, Monroe, and Mansfield, La.; Arlington, Tex.; Grand Cane, Natchitoches, Calhoun, Gloster, and Baton Rouge, La. (Jan. 1—June 30, 1910.)	Tour through 27 towns, including all important roads in their respective counties, for purpose of securing photographs and data concerning road construction and maintenance, to be used in reporting experimental work of office and for illustrating office publications; assisting superintendent in construction of object-lesson roads at Arlington, Tex.; Grand Cane, La.; Natchitoches, Gloster, and Baton Rouge, La.; lecture at Calhoun.	\$309. 19	General expenses, Office of Public Roads, 1910. (Road material.)
Wilmot, Sydney.....	Civil engineer student..	Ravenna, Nebr.; Amieville, Evening Shade, and Batesville, Ark. (Oct. 9, 1909—Jan. 8, 1910.)	Assisting office superintendent in object-lesson road work.	200. 61	General expenses, Office of Public Roads, 1910. (Investigating road building and maintenance.)
Do.....	do.....	Arlington, Tex. (Apr. 23—June 30, 1910.)	Assisting office superintendent in object-lesson road work.	74. 20	Do.
Winslow, D. H.....	Superintendent of road construction.	Dallas County and Tyler, Ala.; Douglas, Ga.; Dadeville, Ala.; Winnsboro and Ridgeway, S. C.; Vonore, Ball Play, Rafter, Tellico Plains, Mount Vernon, and Sweetwater, Tenn.; Americus, Fort Valley, Knoxville, Butler, Perry, Oglethorpe, Ellaville, Americus, Montezuma, Richland, Ga.; Salisbury, N. C.; Chase City, and Farmville, Va.; Newbern and Goldsboro, N. C.; Huntsville, Birmingham, Greenville, and Prattville, Ala.; Decatur and Macon, Ga.; Florence, S. C.; Dresden, Union City, Trenton, Humboldt, Alana, Bells, Brownville, Ripley, Dyersburg, and Tiptonville, Tenn.; Greenville and Gainey, S. C. (July 1—Dec. 23, 1909.)	Special inspection and advice at Dallas County, Salisbury, Chase City, Farmville, Newbern, Goldsboro, and Gainey; supervising the construction of object-lesson roads at Tyler, Winnsboro, Americus, Salisbury, Decatur, Florence, and Greenville; lectures on road improvement at Douglas, Dadeville, Winnsboro, Ridgeway; tour to 6 towns in Tennessee; 2 at Americus, Fort Valley, Knoxville, Butler, Perry, Oglethorpe, Ellaville, Richland, Huntsville, Birmingham, Greenville, Prattville, Macon, and tour of 10 towns in Tennessee; demonstrating the use of the split log drag on earth roads at Montezuma and Salisbury; investigating road materials at Chase City, Va.	468. 05	Do.

Do.....	Union, Yorkville, Columbia, and Raleigh, N. C.; Vernon and Chipley, Fla. (Jan. 8-31, 1910.)	Special inspection and advice at Union, Yorkville, Columbia, and Vernon; lectures on road improvement at Union, Raleigh, Vernon, and Chipley.	131. 49	General expenses, Office of Public Roads, 1910. (Reports of investigation.)
Do.....	Fort Pierce, Palatka, De Funiak Springs, Palatka, Gainesville, Jacksonville, and Fernandina, Fla.; Greenville, Union Springs, Eufaula, and Opelika, Ala.; Athens, Ga.; Abbeville, Newberry, Sumter, and Marion, S. C.; and Southport, N. C. (Feb. 20-June 30, 1910.)	Special inspection and advice at Fort Pierce, Palatka, and Greenville; supervising the construction of object-lesson roads at Palatka and Marion; inspection of roads previously built under supervision of office and giving advice in regard to maintenance of same at Gainesville, Jacksonville, Fernandina, Union Springs, Eufaula, Seale, Opelika, Athens, Asheville, Newberry, Sumter, and Southport; lectures on road improvement at Fort Pierce, De Funiak Springs, Greenville, and Southport before representative road organizations.	279. 80 33. 89	Do: General expenses, Office of Public Roads, 1910. (Road management.)
Wormeley, P. L.....	Ontario, Canada. (Mar. 29-31, 1910)...	Lecture on cement and concrete at request of Canadian Cement and Concrete Association.	(1)	
Do.....	Charlottesville, Va. (May 9-11, 1910).	Lecture on road materials before civil engineering class of University of Virginia.	13. 50	General expenses, Office of Public Roads, 1910. (Road material.)

<sup>1</sup> No expense to office; guest of persons requesting lecture.



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# RECAPITULATION BY APPROPRIATIONS.

General expenses, Weather Bureau, 1910 (traveling expenses).....	\$3,235.59
General expenses, Bureau of Animal Industry, 1910 (inspection and quarantine).....	2,865.59
General expenses, Bureau of Animal Industry, 1910 (eradicating cattle ticks).....	1,426.46
General expenses, Bureau of Animal Industry, 1910 (dairy industry).....	8,149.71
General expenses, Bureau of Animal Industry, 1910 (animal husbandry).....	3,569.10
General expenses, Bureau of Animal Industry, 1910 (diseases of animals).....	1,780.02
General expenses, Bureau of Animal Industry, 1910 (administrative expenses).....	3,127.49
Cooperative experiments in animal feeding and breeding, 1910.....	1,123.77
Meat inspection, Bureau of Animal Industry, 1910.....	3,420.89
General expenses, Bureau of Plant Industry, 1910 (pathological laboratory).....	392.87
General expenses, Bureau of Plant Industry, 1910 (fruit diseases).....	4,933.13
General expenses, Bureau of Plant Industry, 1910 (forest pathology).....	3,002.40
General expenses, Bureau of Plant Industry, 1910 (cotton and truck diseases).....	2,437.93
General expenses, Bureau of Plant Industry, 1910 (crop physiology).....	1,965.74
General expenses, Bureau of Plant Industry, 1910 (bacteriology and nutrition).....	588.92
General expenses, Bureau of Plant Industry, 1910 (crop acclimatization).....	3,671.34
General expenses, Bureau of Plant Industry, 1910 (drug and other plants).....	3,214.57
General expenses, Bureau of Plant Industry, 1910 (crop technology).....	609.18
General expenses, Bureau of Plant Industry, 1910 (cotton standardization).....	433.15
General expenses, Bureau of Plant Industry, 1910 (grain standardization).....	2,873.14
General expenses, Bureau of Plant Industry, 1910 (physical investigations).....	483.39
General expenses, Bureau of Plant Industry, 1910 (special seeds and plants).....	176.67
General expenses, Bureau of Plant Industry, 1910 (seed-testing laboratories).....	1,442.51
General expenses, Bureau of Plant Industry, 1910 (grain investigations).....	8,052.01
General expenses, Bureau of Plant Industry, 1910 (tobacco investigations).....	1,161.01
General expenses, Bureau of Plant Industry, 1910 (cotton breeding).....	759.44
General expenses, Bureau of Plant Industry, 1910 (general plant breeding).....	1,030.04
General expenses, Bureau of Plant Industry, 1910 (paper plant investigations).....	515.44
General expenses, Bureau of Plant Industry, 1910 (alkali and drought resistant plants).....	1,956.18
General expenses, Bureau of Plant Industry, 1910 (sugar plant investigations).....	3,281.50
General expenses, Bureau of Plant Industry, 1910 (taxonomic and range investigations).....	2,295.76
General expenses, Bureau of Plant Industry, 1910 (farm management).....	15,044.44
General expenses, Bureau of Plant Industry, 1910 (farmers' cooperative demonstration work).....	285.73
General expenses, Bureau of Plant Industry, 1910 (dry-land agriculture).....	594.23
General expenses, Bureau of Plant Industry, 1910 (western agricultural extension).....	2,598.49
General expenses, Bureau of Plant Industry, 1910 (pomological investigations).....	11,444.93
General expenses, Bureau of Plant Industry, 1910 (experimental gardens and grounds).....	36.90
General expenses, Bureau of Plant Industry, 1910 (Arlington Farm and Horticulture).....	2,469.51
General expenses, Bureau of Plant Industry, 1910 (Florida Subtropical Garden).....	1,135.04
General expenses, Bureau of Plant Industry, 1910 (administrative and miscellaneous).....	951.01
Purchase and distribution of valuable seeds, 1910 (congressional seed distribution).....	1,408.88
Purchase and distribution of valuable seeds, 1910 (forage-crop investigations).....	1,823.81
Purchase and distribution of valuable seeds, 1910 (foreign seed and plant introduction).....	4,568.83
General expenses, Forest Service, 1910.....	35,703.44
Cooperative work, forest investigations.....	2,652.54
General expenses, Bureau of Chemistry, 1910 (laboratory, transportation).....	2,717.30
General expenses, Bureau of Chemistry, 1910 (food and drugs act, transportation).....	9,501.77
General expenses, Bureau of Chemistry, 1910 (deficiency act, witness fees, etc.).....	797.62
General expenses, Bureau of Chemistry, 1910 (deficiency act, miscellaneous expenses).....	19.91
General expenses, Bureau of Soils, 1910 (soil laboratory investigations).....	196.93
General expenses, Bureau of Soils, 1910 (soil-water investigations).....	720.32
General expenses, Bureau of Soils, 1910 (soil survey).....	662.43
General expenses, Bureau of Soils, 1910 (administrative expenses).....	436.46
General expenses, Bureau of Entomology, 1910 (deciduous fruit insects).....	50.80
General expenses, Bureau of Entomology, 1910 (truck crop and stored product insects).....	172.83
General expenses, Bureau of Entomology, 1910 (citrus fruit insects).....	402.53
General expenses, Bureau of Entomology, 1910 (miscellaneous insects).....	493.15
Preventing spread of moths, Bureau of Entomology, 1910.....	1,347.85
General expenses, Bureau of Biological Survey, 1910 (game preservation).....	1,097.67
General expenses, Bureau of Biological Survey, 1910 (maintenance of mammal and bird reservations).....	171.73
General expenses, Bureau of Biological Survey, 1910 (food habits of birds and mammals).....	5,522.07
General expenses, Bureau of Biological Survey, 1910 (biological investigations).....	4,953.78
General expenses, Bureau of Biological Survey, 1910 (administrative expenses).....	480.85
General expenses, Division of Publications, 1910 (miscellaneous expenses).....	103.42
General expenses, Bureau of Statistics, 1910 (special investigations).....	2,182.06
Library, Department of Agriculture, 1910.....	47.85
Contingent expenses, Department of Agriculture, 1910.....	1,781.00
Agricultural experiment stations, 1910.....	2,011.38
Agricultural experiment stations, 1910 (farmers' institutes).....	1,542.77
Nutrition investigations, 1910.....	205.09
Irrigation investigations, 1910.....	938.68
Drainage investigations, 1910.....	1,899.34
General expenses, Office of Public Roads, 1910 (road management).....	4,373.59
General expenses, Office of Public Roads, 1910 (investigating road building and maintenance).....	7,889.92
General expenses, Office of Public Roads, 1910 (road material).....	2,342.53
General expenses, Office of Public Roads, 1910 (reports of investigations).....	1,479.95
Total.....	211,260.80